Service
Service
Service

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ServiceManual

Contents **Page**

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IMPORTANT SAFETY NOTICE

Proper service and repair is important to the safe, reliable operation of all Philips Consumer Electronics Company** Equipment. The service procedures recommended by Philips and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various **CAUTIONS** and **NOTICES** which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It also is important to understand that these **CAUTIONS** and **NOTICES ARE NOT EXHAUSTIVE**. Philips could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done, or of the possible hazardous consequences of each way. Consequently, Philips has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by Philips must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.

** Hereafter throughout this manual, Philips Consumer Electronics Company will be referred to as Philips.

WARNING

Critical components having special safety characteristics are identified with a ⚠ or "S" by the Ref. No. in the parts list and enclosed within a broken line* (where several critical components are grouped in one area) along with the safety symbol ⚠ on the schematics or exploded views. Use of substitute replacement parts which do not have the same specified safety characteristics may create shock, fire, or other hazards. Under no circumstances should the original design be modified or altered without written permission from Philips. Philips assumes no liability, express or implied, arising out of any unauthorized modification of design. Servicer assumes all liability.

*** Broken Line ____ _ ____ _ ____ _ ____**

FIRE AND SHOCK HAZARD

1. Be sure all components are positioned in such a way as to avoid the possibility of adjacent component shorts. This is especially important on those chassis which are transported to and from the service shop.

2. Never release a repaired unit unless all protective devices such as insulators, barriers, covers, strain reliefs, and other hardware have been installed in accordance with the original design.

3. Soldering and wiring must be inspected to locate possible cold solder joints, solder splashes, sharp solder points, frayed leads, pinched leads, or damaged insulation (including the ac cord). Be certain to remove loose solder balls and all other loose foreign particles.

4. Check across-the-line components and other components for physical evidence of damage or deterioration and replace if necessary. Follow original layout, lead length, and dress.

5. No lead or component should touch a receiving tube or a resistor rated at 1 watt or more. Lead tension around protruding metal surfaces or edges must be avoided.

6. Critical components having special safety characteristics are identified with an **'S'** by the Ref. No. in the parts list and enclosed within a broken line* (where several critical components are grouped in one area) along with the safety symbol on the schematic diagrams and /or exploded views.

7. When servicing any unit, always use a separate isolation transformer for the chassis. Failure to use a separate isolation transformer may expose you to possible shock hazard, and may cause damage to servicing instruments.

8. Many electronic products use a polarized ac line cord (one wide pin on the plug). Defeating this safety feature may create a potential hazard to the servicer and the user. Extension cords which do not incorporate the polarizing feature should never be used.

9. After reassembly of the unit, always perform an ac leakage test or resistance test from the line cord to all exposed metal parts of the cabinet. Also, check all metal control shafts (with knobs removed), antenna terminals, handles, screws, etc., to be sure the unit may be safely operated without danger of electrical shock.

*** Broken line ____ _ ____ _ ____ _ ____**

LEAKAGE CURRENT COLD CHECK

1. Unplug the ac line cord and connect a jumper between the two prongs of the plug.

2. Turn on the power switch.

3. Measure the resistance value between the jumpered ac plug and all exposed cabinet parts of the receiver, such as screw heads, antennas, and control shafts. When the exposed metallic part has a return path to the chassis, the reading should be between 1 megohm and 5.2 megohms. When the exposed metal does not have a return path to the chassis, the reading must be infinity. Remove the jumper from the ac line cord.

LEAKAGE CURRENT HOT CHECK

1. Do not use an isolation transformer for this test. Plug the completely reassembled receiver directly into the ac outlet.

2. Connect a 1.5k, 10W resistor paralleled by a 0.15uF. capacitor between each exposed metallic cabinet part and a good earth ground such as a water pipe, as shown below.

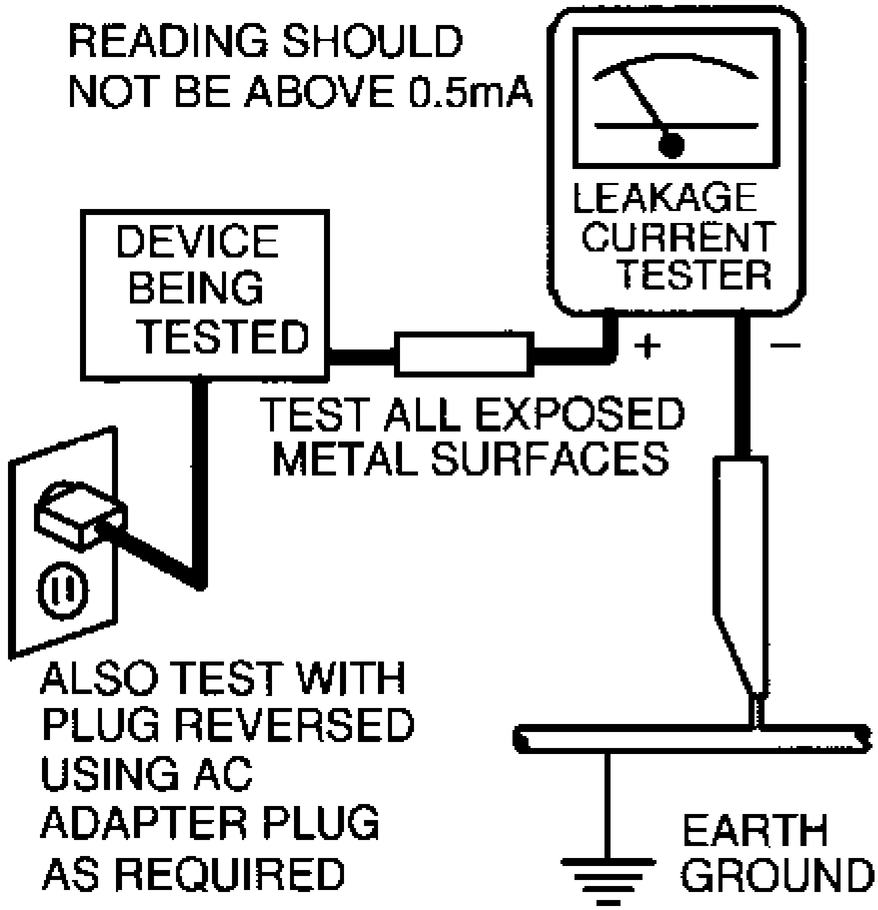
3. Use an ac voltmeter with at least 5000 ohms/volt sensitivity to measure the potential across the resistor.

4. The potential at any point should not exceed 0.75 volts. A leakage current tester may be used to make this test; leakage current must not exceed 0.5mA. If a measurement is outside of the specified limits, there is a possibility of shock hazard. The receiver should be repaired and rechecked before returning it to the customer.

5. Repeat the above procedure with the ac plug reversed. (Note: An ac adapter is necessary when a polarized plug is used. Do not defeat the polarizing feature of the plug.)

OR

With the instrument completely reassembled, plug the ac line cord directly into a 120Vac outlet. (Do not use an isolation transformer during this test.) Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI) C101.1 Leakage Current for Appliances and Underwriters Laboratories (UL) 1410, (50.7). With the instrument ac switch first in the on position and then in the off position, measure from a known earth ground (metal water pipe, conduit, etc.) to all exposed metal parts of the instrument (antennas, handle brackets, metal cabinet, screw heads, metallic overlays, control shafts, etc.), especially any exposed metal parts that offer an electrical return path to the chassis. Any current measured must not exceed 0.5mA. Reverse the instrument power cord plug in the outlet and repeat the test. See the graphic below.



READING SHOULD
NOT BE ABOVE 0.5mA
LEAKAGE
CURRENT
TESTER
DEVICE
BEING
TESTED
+
–
TEST ALL EXPOSED
METAL SURFACES
ALSO TEST WITH
PLUG REVERSED
USING AC
ADAPTER PLUG
AS REQUIRED
EARTH
GROUND

TV SAFETY NOTES

SAFETY CHECKS

After the original service problem has been corrected, a complete safety check should be made. Be sure to check over the entire set, not just the areas where you have worked. Some previous servicer may have left an unsafe condition, which could be unknowingly passed on to your customer. Be sure to check all of the following:

Fire and Shock Hazard
Implosion
X-Radiation
Leakage Current Cold Check
Leakage Current Hot Check
Picture Tube Replacement
Parts Replacement

WARNING: Before removing the CRT anode cap, turn the unit OFF and short the HIGH VOLTAGE to the CRT DAG ground.

SERVICE NOTE: The CRT DAG is not at chassis ground.

IMPLOSION

1. All picture tubes used in current model receivers are equipped with an integral implosion system. Care should always be used, and safety glasses worn, whenever handling any picture tube. Avoid scratching or otherwise damaging the picture tube during installation.

2. Use only replacement tubes specified by the manufacturer.

X-RADIATION

1. Be sure procedures and instructions to all your service personnel cover the subject of X-radiation. Potential sources of X-rays in TV receivers are the picture tube and the high voltage circuits. The basic precaution which must be exercised is to keep the high voltage at the factory recommended level.

2. To avoid possible exposure to X-radiation and electrical shock, only the manufacturer's specified anode connectors must be used.

3. It is essential that the service technician has an accurate HV meter available at all times. The calibration of this meter should be checked periodically against a reference standard.

4. When the HV circuitry is operating properly there is no possibility of an X-radiation problem. High voltage should always be kept at the manufacturer's rated value - no higher - for optimum performance. Every time a color set is serviced, the brightness should be run up and down while monitoring the HV with a meter to be certain that the HV is regulated correctly and does not exceed the specified value. We suggest that you and your technicians review test procedures so that HV and HV regulation are always checked as a standard servicing procedure, and the reason for this prudent routine is clearly understood by everyone. It is important to use an accurate and reliable HV meter. It is recommended that the HV reading be recorded on each customer's invoice, which will demonstrate a proper concern for the customer's safety.

5. When troubleshooting and making test measurements in a receiver with a problem of excessive high voltage, reduce the line voltage by means of a Variac to bring the HV into acceptable limits while troubleshooting. Do not operate the chassis longer than necessary to locate the cause of the excessive HV.

6. New picture tubes are specifically designed to withstand higher operating voltages without creating undesirable X-radiation. It is strongly recommended that any shop test fixture which is to be used with the new higher voltage chassis be equipped with one of the new type tubes designed for this service. Addition of a permanently connected HV meter to the shop test fixture is advisable. The CRT types used in these new sets should never be replaced with any other types, as this may result in excessive X-radiation.

7. It is essential to use the specified picture tube to avoid a possible X-radiation problem.

8. Most TV receivers contain some type of emergency "Hold Down" circuit to prevent HV from rising to excessive levels in the presence of a failure mode. These various circuits should be understood by all technicians servicing them, especially since many hold down circuits are inoperative as long as the receiver performs normally.

PICTURE TUBE REPLACEMENT

The primary source of X-radiation in this television receiver is the picture tube. The picture tube utilized in this chassis is specially constructed to limit X-radiation emissions. For continued X-radiation protection, the replacement tube must be the same type as the original, including suffix letter, or a Philips approved type.

PARTS REPLACEMENT

Many electrical and mechanical parts in Philips television sets have special safety related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. The use of a substitute part which does not have the same safety characteristics as the Philips recommended replacement part shown in this service manual may create shock, fire, or other hazards.

PRODUCT SAFETY GUIDELINES FOR ALL PRODUCTS

CAUTION: Do not modify any circuit. Service work should be performed only after you are thoroughly familiar with all of the following safety checks. Risk of potential hazards and injury to the user increases if safety checks are not adhered to.

USE A SEPARATE ISOLATION TRANSFORMER FOR THIS UNIT WHEN SERVICING.

PREVENTION OF ELECTROSTATIC DISCHARGE (ESD)

Some semiconductor solid state devices can be damaged easily by static electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices, Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electrostatic discharge (ESD).

1. Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.

2. After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.

3. Use only a grounded-tip soldering iron to solder or unsolder ES devices.

4. Use only an anti-static solder removal device. Some solder removal devices not classified as "antistatic (ESD protected)" can generate an electrical charge sufficient to damage ES devices.

5. Do not use Freon propelled chemicals. These can generate electrical charges sufficient to damage ES devices.

6. Do not remove a replacement ES device from its protective package until immediately before you are ready to install it (most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).

7. Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

CAUTION: Be sure no power is applied to the chassis or circuit and observe all other safety precautions.

8. Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your feet from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device.)

NOTE to CATV system Installer:
This reminder is provided to call the CATV system installer's attention to article 820-22 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

PRACTICAL SERVICE PRECAUTIONS

IT MAKES SENSE TO AVOID EXPOSURE TO ELECTRICAL SHOCK. While some sources are expected to have a possible dangerous impact, others of quite high potential are of limited current and are sometimes held in less regard.

ALWAYS RESPECT VOLTAGES. While some may not be dangerous in themselves, they can cause unexpected reactions – reactions that are best avoided. Before reaching into the powered color TV set, it is best to test the high voltage insulation. It is easy to do, and is just a good service precaution.

BEFORE POWERING UP THE TV WITH THE BACK OFF (or on a test fixture), attach a clip lead to the CRT DAG ground and to a screwdriver blade that has a well insulated handle. After the TV is powered on and high voltage has developed, probe the anode lead with the blade, starting at the bottom of the High Voltage Transformer (flyback – IFT). Move the blade to within two inches of the connector of the CRT. **IF THERE IS AN ARC, YOU FOUND IT THE EASY WAY, WITHOUT GETTING A SHOCK!** If there is an arc to the screwdriver blade, replace the High Voltage Transformer or the lead, (if removable) whichever is causing the problem.

PICTURE TUBE REPLACEMENT PROCEDURE

Note:
a. Two (2) people are required to handle this picture tube.
b. Safety Glasses must be worn during this procedure or whenever directly handling a picture tube.
c. Take care in each step not to damage the CRT or the cabinet.

1. Remove the Chassis and the CRT Socket Board Module from the cabinet.
2. A furniture pad or blanket should be positioned on the floor to support only the CRT Face. This pad or blanket should be high enough to keep the CRT Face approximately 12 to 14 inches off the floor.
3. Using two people, place the cabinet in a front down position with the CRT Face on the pad or blanket.
4. Place padded blocks under each corner of the cabinet to keep it from rocking.
5. Remove the four screws, at the corners of the CRT.
6. With two people lowering the cabinet to the floor, leave the CRT elevated by the pad or blanket.

Note: Take care not to grasp the neck of the CRT during this procedure, as it is extremely fragile.

7. Two (2) people may then lift the CRT from the cabinet.
8. Remove the degaussing coil from the defective CRT and mount on the replacement. Take care to maintain the exact shape and fit.

To install the new CRT, reverse steps 1 to 7.

Technical Specifications, Connections and Chassis Overview

Technical Specifications

Reception

Feature	Data
Tuning system	: PLL
Color systems (off-air)	: NTSC M
Sound systems :	: BTSC DBX
A/V connections	: NTSC M,
	: NTSC Playback
Channel selections	: 181 channels,
	: Full-cable, UHF
IF frequency	: 45.75MHz
Aerial input	: 75 ohm, Coax

Miscellaneous

Feature	Data
Set stroke numbers	: /17
AC voltage	: 120V (± 10%),
AC frequency	: 50 / 60Hz (± 5%)
Ambient temperature	: + 5 to + 45 deg. C.
Standby Power consumption	: 0.7W

Connections

Front and Top Controls / Side Connections

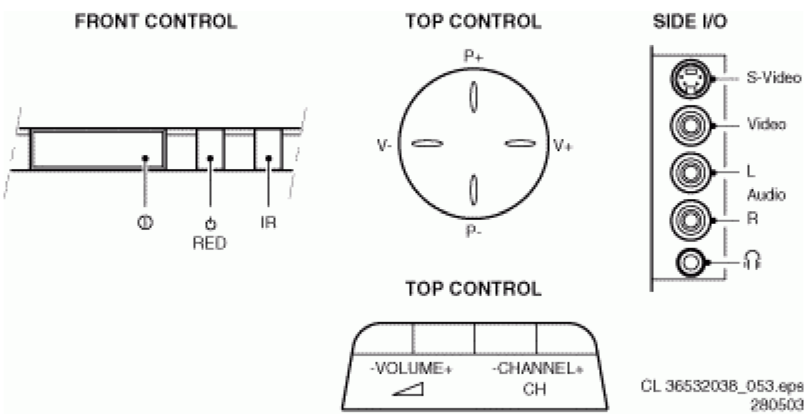


Figure: Front and top controls / side connections

S-Video

Connector	Kind	Value	Symbol
1		Gnd	
2		Gnd	
3	Y	1Vpp / 75 ohm	
4	C	0.3Vpp / 75 ohm	

Audio / video

Connector	Kind	Value	Symbol
1	Video	1Vpp / 75 ohm	
2	Audio	L (0.5Vrms / 10k)	
3	Audio	R (0.5Vrms / 10k)	
4	Headphone	(32 - 2000 ohm / 10mW)	6.3mm

Rear Connections

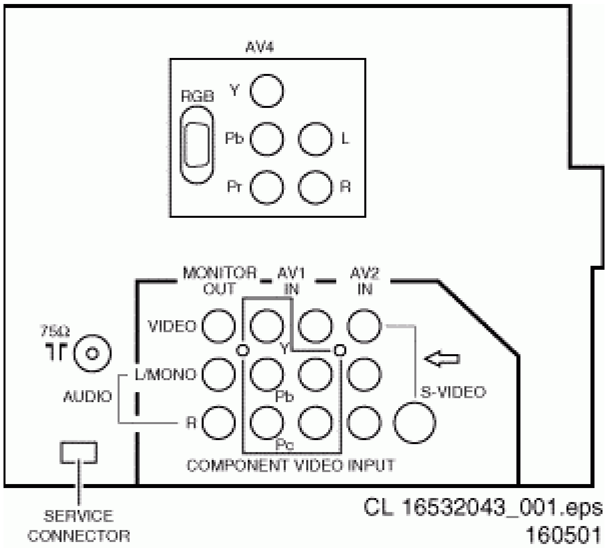


Figure: Rear connections

Monitor out

Connector	Kind	Value	Symbol
1	Video	1Vpp / 75 ohm	
2	Audio	L (0.5Vrms / 10k)	
3	Audio	R (0.5Vrms / 10k)	

AV1 in

Connector	Kind	Value	Symbol
1	Y	0.7Vpp / 75 ohm	
2	Pb	0.7Vpp / 75 ohm	
3	Pr	0.7Vpp / 75 ohm	

AV1 in

Connector	Kind	Value	Symbol
4	Video	1Vpp / 75 ohm	
5	Audio	L (0.5Vrms / 10k)	
6	Audio	R (0.5Vrms / 10k)	

AV2 in

Connector	Kind	Value	Symbol
1	Video	1Vpp / 75 ohm	
2	Audio	L (0.5Vrms / 10k)	
3	Audio	R (0.5Vrms / 10k)	

AV2 in (SVHS)

Connector	Kind	Value	Symbol
1		Gnd	⊥
2		Gnd	⊥
3	Y	1Vpp / 75 ohm	
4	C	0.3Vpp / 75 ohm	

AV4 in (D-sub connector)

Connector	Kind	Value	Symbol
1	Pr/R	0.35 Vpp/0.7 Vpp / ohm	
2	Y/G	0.7 Vpp/0.7 Vpp / 75 ohm	
3	Pb/B	0.35 Vpp/0.7 Vpp / 75 ohm	
4	H	5 Vpp / 1 kohm	
5	V	5 Vpp / 1 kohm	

AV4 in (cinches)

Connector	Kind	Value	Symbol
1	Y/G	0.7 Vpp/0.7 Vpp / 75 ohm	
2	Pb/B	0.35 Vpp/0.7 Vpp / 75 ohm	
3	Pr/R	0.35 Vpp/0.7 Vpp / 75 ohm	

AV4 in

Connector	Kind	Value	Symbol
1	Audio	L (0.5 Vrms / 10 kohm)	
2	Audio	R (0.5 Vrms / 10 kohm)	

Mechanical Instructions

Rear Cover Removal

1. Remove all the rear cover retaining screws.
2. Now pull the rear cover backward and remove it.

Service Positions

Large Signal Panel (LSP) Service Positions

Service Position 1:

To gain better access to the LSP, do the following:

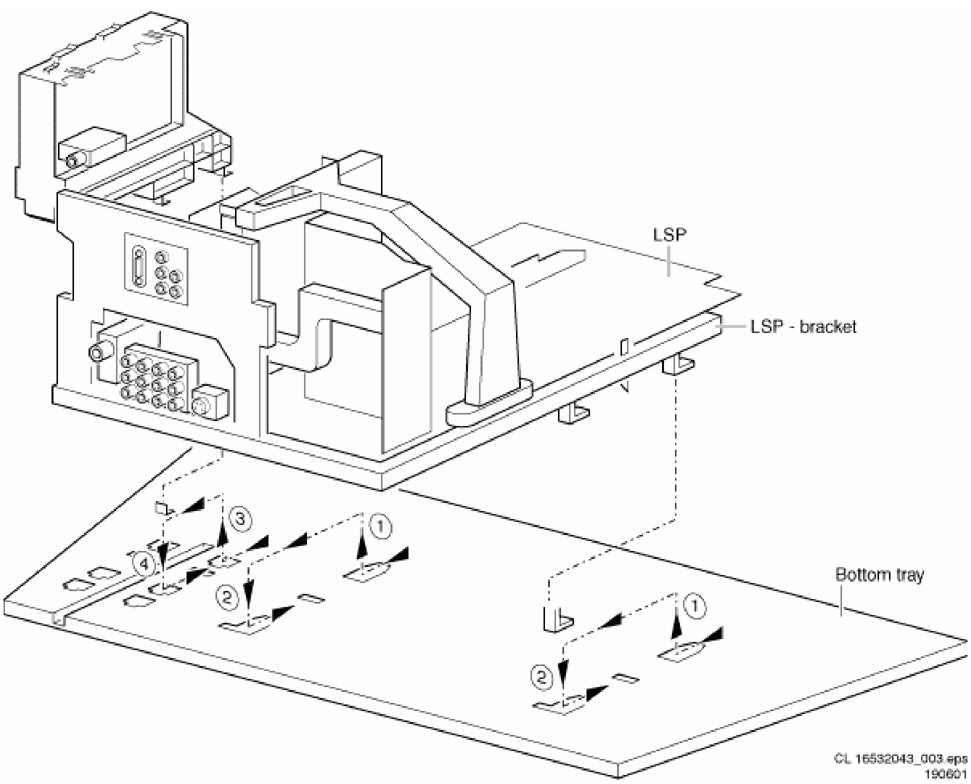


Figure:

1. To remove the LSP assembly from the bottom tray, release the 2 locks in the middle on each side rail by moving the tab backward and at the same time pull the complete assembly backward.
2. Hook the bracket in the first row of holes in the cabinet bottom (in other words, reposition the bracket from [1] to [2]).
3. Do the same with the 'DW/3D comb' module (reposition from [3] to [4]).

Service Position 2:

To make the copper side of the LSP accessible, follow these steps:

1. Disconnect the degaussing cable and rotation coil cable (cable between mains assembly and LSP must be long enough, otherwise this mains assembly must also be removed from the cabinet).
2. Remove the DAF panel assembly (see explanation later in this chapter), and remove the DAF panel out of the assembly.
3. Remove the Side I/O panel from its assembly and place it on the bottom tray.
4. Remove the 3D comb filter panel and DW panel out of the mechanical bracket, and reconfigure the cabling.
5. Remove the HD jack panel assembly. The HD jack panel itself must stay connected to the LSP.
6. Release the cables from their cable ties.
7. Carefully shift the LSP panel backward, and shift it a bit to the left (as seen from the back).
8. Turn the LSP assembly clockwise, and position the hook of the LSP assembly in the groove of the bottom tray. This is not a true service position, but the LSP assembly position is stable, assuming a big enough table is used.
9. Position the DW panel and 3D comb panel carefully on top of the LSP and also position the HD jack panel and DAF panel on the bottom, guarding against short-circuiting the panels.

10. The LSP is now serviceable (all functions should work, except for degaussing and picture rotation).

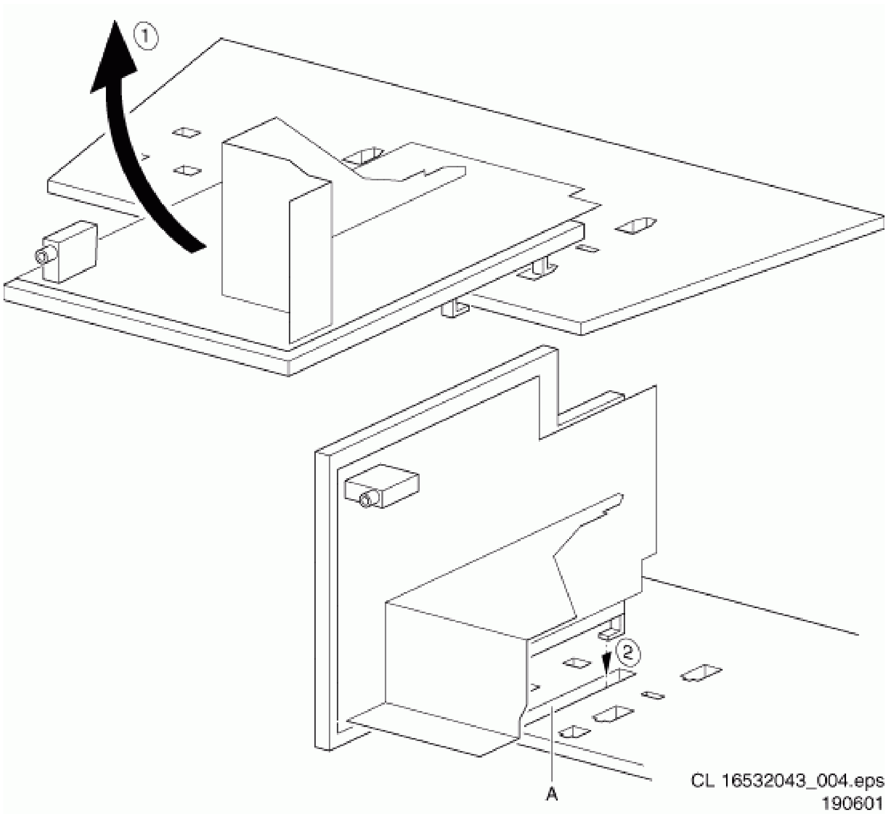


Figure:

Small Signal Board (SSB) Service Position

All relevant test points are accessible with the SSB in its original position, but for ease of use an 'SSB extension board' is available under number 9965 000 05769.

Note: Test points on the side of the SSB pointed to the middle (hot) heatsink could more easily be accessed with an extension board).

To make the SSB accessible on both sides, follow these steps:

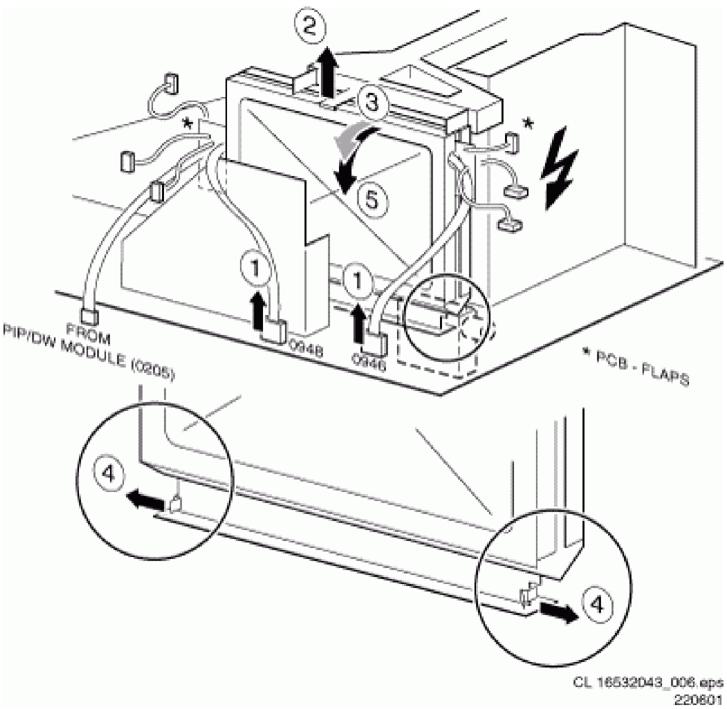


Figure:

1. Put the LSP, dependent on the size of the picture tube, a bit to the left of service position 1 (as described above). Otherwise the extension panel will conflict with the CRT panel.
2. Release the 'top fixation clamp' that holds the SSB [2], and pull the SSB slightly toward the Tuner [3]. At the same time, release the 2 metal clamps at both sides of the SIMM connector [4]. Pull the top side of the SSB toward the Tuner [5], and take the complete SSB out now (it 'hinges' in the SIMM connector).

3. Remove/lift the 'LSP top bracket' after removing the 2 screws that hold the bracket at the right side.
4. Remove the shielding of the SSB, and release the coax cable (the one going to connector 0946 on LSP) from the metal groove. In this way this coax cable is long enough to connect to the LSP (see figure below).
5. Organize/reorganize the cabling when you put the SSB on the extension panel. The only cable not necessarily needed is the longest coax cable. You do not have DW/PIP functionality then, but in that case you can localize the fault to the DW module. (If necessary, you can order a longer coax cable under number 3104 311 00351).
6. Both sides of the SSB are now accessible for servicing.

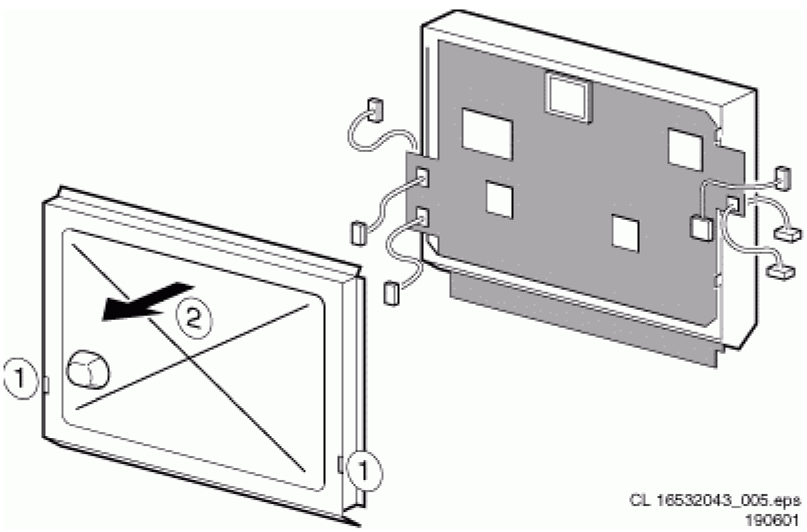


Figure:

Double Window (DW) Panel Removal

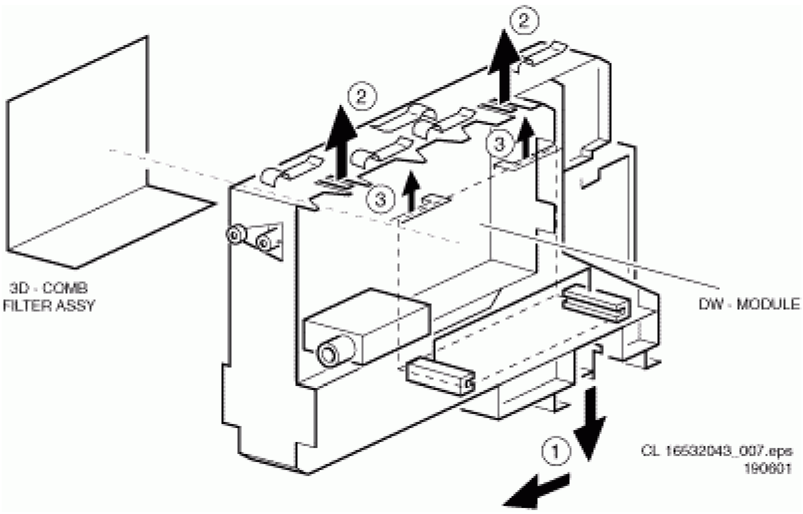


Figure:

1. Remove the 'DW panel/3D comb filter panel' bracket from the bottom tray by pulling the release handle [1] backwards. The release catch is lifted by this.
2. The board can easily be lifted out of the bracket after releasing the 2 securing clamps [2].
3. Both sides of the panel are easily accessible.

3D-Comb Filter Panel Removal

1. Pull the release handle [1] backward and remove the 'DW panel/3D comb filter panel' bracket from the bottom tray.
2. Remove the 3D comb filter panel from the guiding slots, while with releasing the 2 securing clamps [3].
3. The smallest PWB is easily accessible. The biggest PWB is a panel that must be replaced if it is defective. For that reason, accessibility is less important (the interfacing connection is sufficient).

Dynamic Astigmatic Focus (DAF) Panel Removal

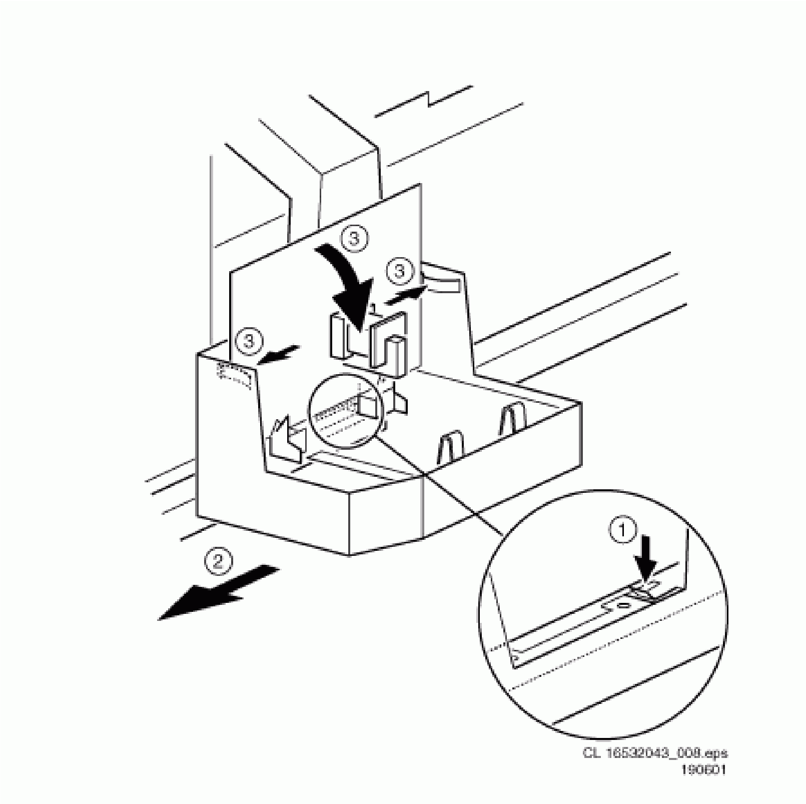


Figure:

1. Release a release catch [1] (on the LSP bracket between the LSP and DAF panel) by pushing it down, while pulling the DAF panel assembly backward [2].
2. The DAF panel can easily be lifted from its bracket after releasing the 2 securing clamps [3].

Top Control Panel Removal

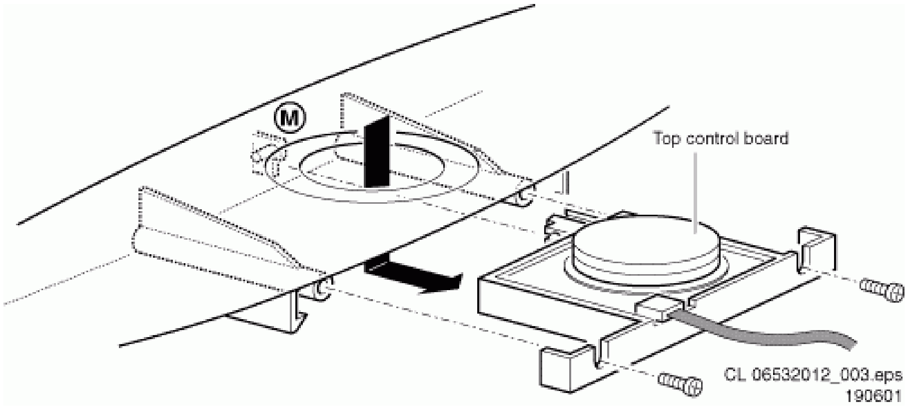


Figure:

1. Remove the two screws which hold the panel.
2. Pull the top control panel backward (release it from its front hinge [M]).
3. Release the 2 securing clamps and lift the panel from its bracket.

Side I/O Panel Removal

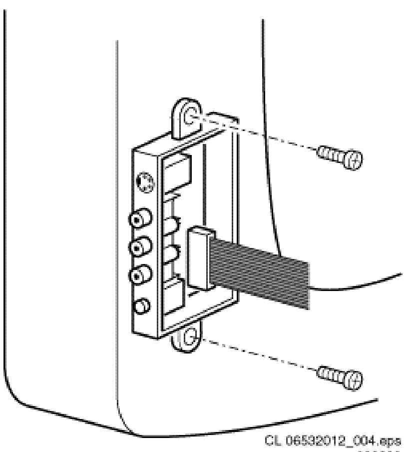


Figure:

1. Release the 2 securing clamps and lift the panel from its bracket.

Mains Switch Panel Removal

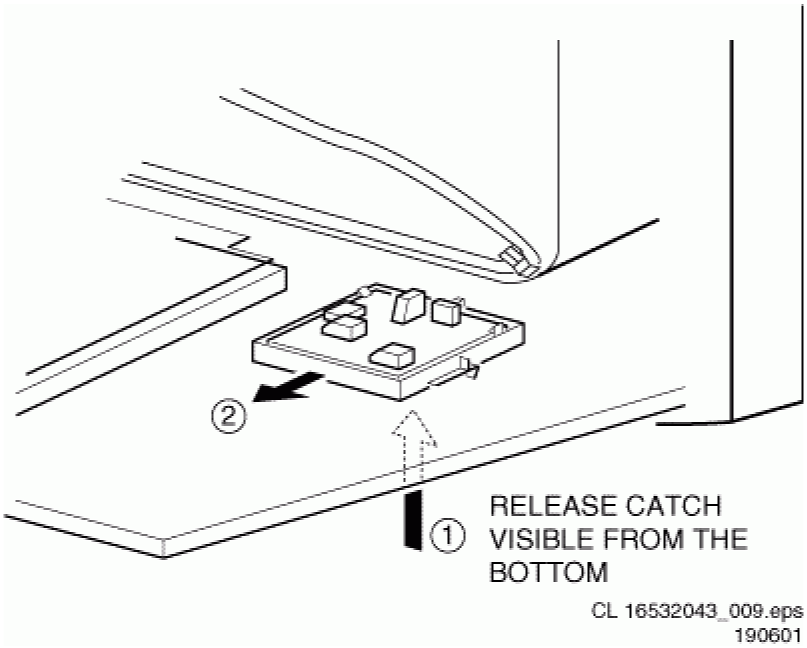


Figure:

The easiest way to access this module is with the LSP in service position 2.

1. Position the cabinet a bit over the edge of a table, and push the release catches up from the bottom side of the set [1].
2. At the same time pull the Mains Panel assembly backward and remove it [2].

Rear Cover Mounting

Before you mount the Rear Cover, perform the following checks:

- Confirm that the AC Power Cord is mounted correctly in its guiding brackets.
- Confirm that all cables are replaced in their original positions. This is very important due to the large 'hot' area of the set.

Service Modes, Error Codes and Faultfinding

Contents of this chapter:

Test Points

The chassis is equipped with test points in the service printing. These test points refer to the functional blocks:

- A1-A2-A3, etc., for the audio processing circuitry [diagrams A5, A6, A7 and B6]
- C01-C02-C03, etc., for the 3D comb interface panel [C0]
- C1-C2-C3, etc., for the control circuitry [B7]
- F1-F2-F3, etc., for the frame drive and frame output circuitry [A4, B4]
- F1F-F2F, etc., for the RGB signals on the CRT panel [F]
- I1-I2-I3, etc., for the intermediate frequency circuitry [A7, B2]
- L1-L2-L3, etc., for the line drive and line output circuitry [A3, B4] and Double Window [C]
- N1-N2-N3, etc., for the Jack high definition interface panel [N]
- P1-P2-P3, etc., for the power supply [A1, A2]
- S1-S2-S3, etc., for the feature box circuitry [B3]

- SC1-SC2, etc., for the SCAVEM circuitry on the CRT panel [F]
- V1-V2-V3, etc., for the video processing circuitry [B2, B3, B4, B5, B6] and Double Window [C]

The numbering is done in a logical sequence for diagnostics; always start diagnosing within a functional block in the sequence of the relevant test points for that functional block.

Perform measurements under the following conditions:

- Service mode: SDM.
- Video: color bar signal.
- Audio: 1kHz, mono.

Service Modes

The Service Default Mode (SDM) and Service Alignment Mode (SAM) offer several features for the service technician, while the Customer Service Menu (CSM) is used for communication between dealer and customer.

There is also the option of using ComPair, a hardware interface between a computer (see requirements), and the TV chassis. It offers the ability of structured troubleshooting, error code reading, and software version readout for all EM1.1U chassis.
Minimum requirements: a 486 processor, Windows 3.1 and a CD-ROM drive (see also paragraph 5.4).

Service Default Mode (SDM)

Purpose

- Provide a situation with predefined settings in order to retrieve the same measurement results as published in this manual.
- Start the 'blinking LED' sequence procedure.
- Have the possibility to override the 5V protection.

Specifications

- Tuning frequency: 61.25MHz (Channel 3).
- Color system: NTSC.
- All picture settings at 50% (brightness, color, picture).
- All sound settings at 50% except volume at 25% (i.e., bass, treble, and balance at 50%, volume at 25%).
- All service-unfriendly modes (if present) are disabled, such as:
  - (sleep) timer,
  - child/parental lock,
  - blue mute,
  - hotel/hospitality mode,
  - auto switch-off (when no 'IDENT' video signal is received for 15 minutes),
  - skip/blank of non-favorite presets/channels,
  - auto store of personal presets,
  - auto user menu time-out.

How to enter

Use one of the following methods:

- Via a standard RC transmitter: key in the code '062596' directly followed by the 'MENU/SELECT' button.
- Via ComPair (simulating the DST).
- Via grounding the 'Front Detect' line (pins 1 and 7 of connector 0240) on the Side I/O panel while disconnecting and reconnecting the AC power cord.

CAUTION: Entering SDM by grounding the 'Front Detect' line will override the 5V protection. This should only be done for a short period. In case of SW protections (errors 1 - 4 and 8), the set will shut down in 15s.

When doing this, the service technician must know what he is doing as it could lead to damaging the set.

After entering SDM, the following screen will be shown with 'SDM' at the upper right side for recognition.

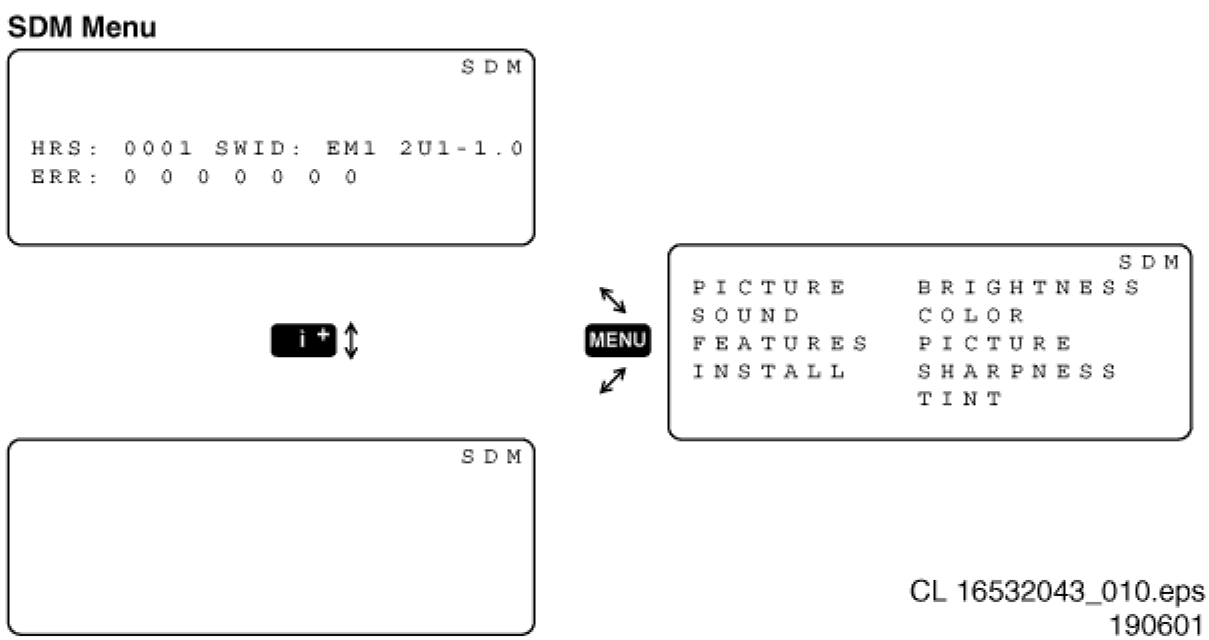


Figure: SDM Menu

How to navigate

When you press the 'MENU' button on the RC transmitter, the set toggles between the SDM and the normal user menus (with the SDM mode still active in the background).

When you press the 'STATUS/EXIT' button on the RC transmitter, the set shows/hides the error buffer. To prevent interference with oscilloscope measurements, it is possible to hide the OSD.

How to exit

Switch the set to STANDBY by pressing the power button on the remote control transmitter or via the 'POWER' switch of the set.

Service Alignment Mode (SAM)

Purpose

- To perform alignments.
- To change option settings.
- To display/clear the error code buffer.

Specifications

- Software alignments (see chapter 8).
- Option settings (see chapter 8).
- Error buffer reading and erasing. The most recent error code is displayed on the left side.
- Hours counter (in hexadecimal format)
- Software version.

How to enter

Use one of the following methods:

- Via a standard RC transmitter by entering the code '062596' followed by the 'STATUS/EXIT' button.
- Via ComPair (simulating the dealer remote).
- By the 'ALIGN' button on the dealer remote, while the set is in the normal operation mode.
- Coming from SDM mode, via pressing the 'VOLUME -' and 'VOLUME+' buttons on the local keyboard **simultaneously** (for a few seconds), the set toggles from SDM to SAM.

The following screen will be shown, with 'SAM' at the upper right side for recognition.

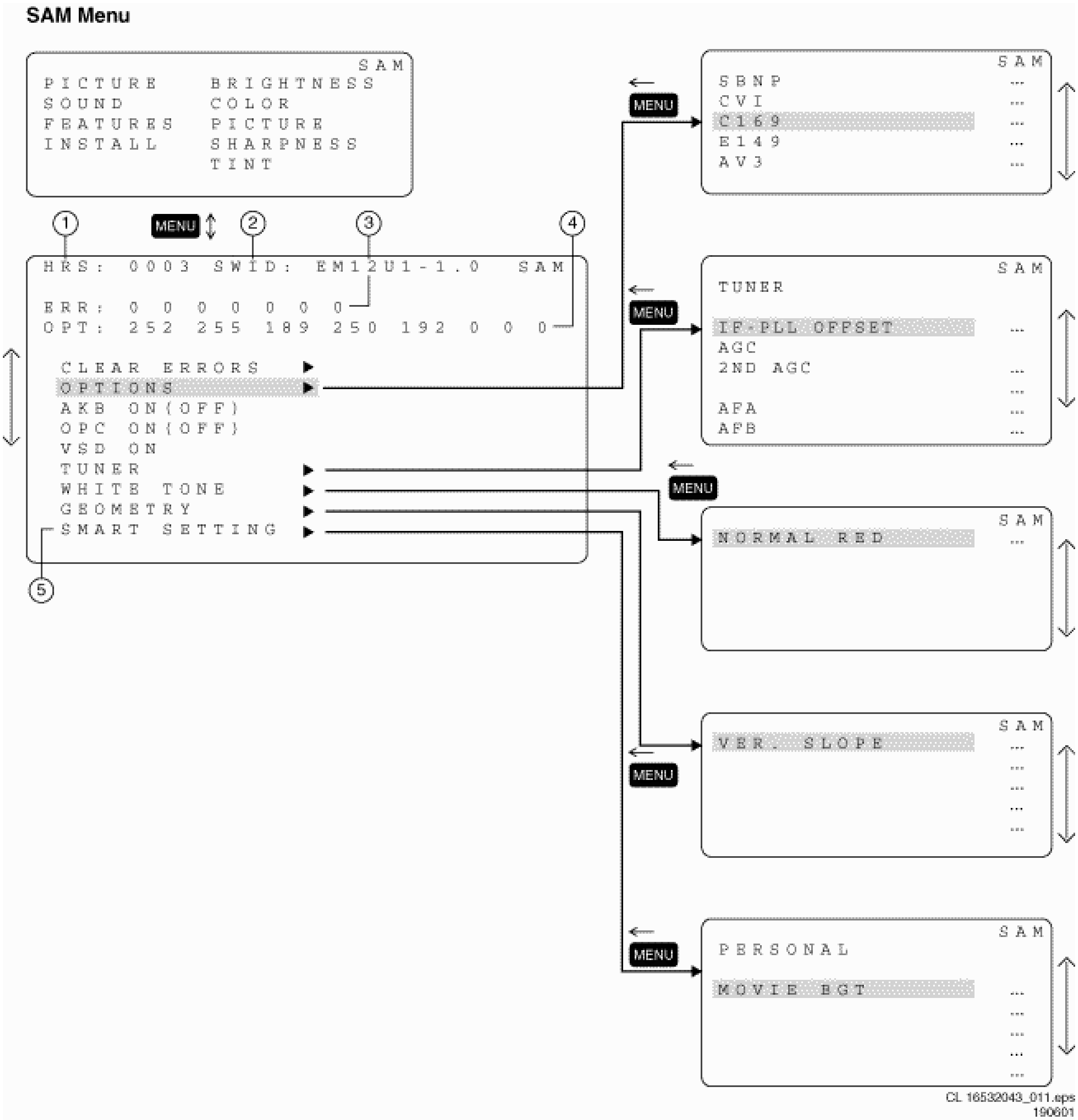


Figure: SAM Menu

Explanation

The Service Alignment Mode menu will now appear on the screen. The following information is displayed:

1. Operation hours timer (hexadecimal)
2. Software identification of the main microcontroller (AAABBB-X.Y, **example:** EM11U1-1.0)
    - AAA is the chassis name (EM1 = Painter processor, EM2 = OTC processor).
    - BBB = Software code belonging to a certain stroke number, in this case 1U1 (USA version).
    - X = main version number.
    - Y = sub-version number.
3. Error buffer (7 errors possible).
4. Option bytes (8 codes possible), summary of options are explained below.
5. Sub menus are listed in a scroll menu.

How to navigate

Select menu items with the 'CURSOR UP/DOWN' key. This will highlight the selected item. When not all menu items fit on the screen, move the 'CURSOR UP/DOWN' key to display the next/previous menu items.

With the 'CURSOR LEFT/RIGHT' keys, it is possible to:

- (De)activate the selected menu item (e.g., SERV-BLK).
- Change the value of the selected menu item (e.g., VER-SLOPE).
- Activate the selected submenu (e.g., GEOMETRY).

Pressing the 'MENU/SELECT' button on the RC transmitter switches between the SAM and the normal user menus (with the SAM mode still active in the background).
Pressing the 'MENU/SELECT' key in a submenu will go to the previous menu.

How to exit

Switch the set to STANDBY by pressing the power button on the remote control transmitter or via the 'POWER' switch of the set.

Customer Service Mode (CSM)

Purpose

When a customer is having problems with his TV set, he can call his dealer. The service technician can than ask the customer to activate the CSM, in order to identify the status of the set. Now, the service technician can judge the severity of the complaint. In many cases, he can advise the customer how to solve the problem, or he can decide if it is necessary to visit the customer.
The CSM is a read only mode, therefore modifications in this mode are not possible.

How to enter

The CSM will be turned on after pressing the MUTE key on the remote control transmitter and any of the control buttons on the TV for at least 4 seconds simultaneously. This activation only works if there is no menu on the screen.

After switching 'on' the Customer Service Mode, the following screen will appear:

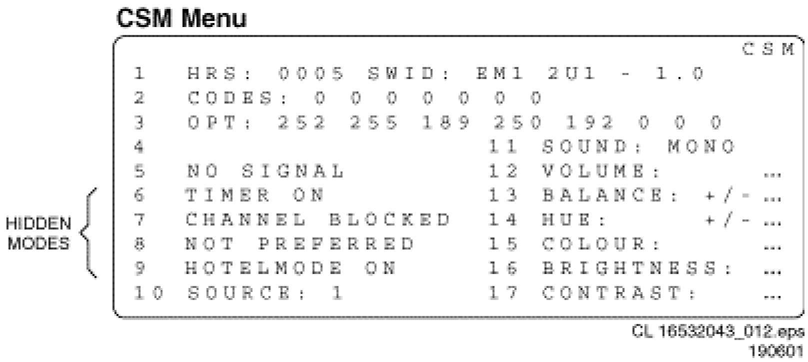


Figure: CSM Menu

Line 1:

HRS : Hexadecimal counter of operating hours. **Example:** 1B (hex)= 0001 1011 (bin)= 27 (dec.).

Standby hours are not counted as operating hours. **Note:** at each turn on, the counter will advance one hour.

SWID : Software identification of the main microcontroller (see paragraph 5.2.2).

Line 2:

Error code buffer (for more details see paragraph 5.3). Displays the last 7 errors of the error code buffer.

Line 3:

Option bit setting controls the software and hardware functionality. An option byte or option number represents 8 of those bits. Each option number is displayed as a decimal number between 0 and 255. The set may not work correctly when an incorrect option code is set. See chapter 8 for more information on correct option settings.

Line 4:

Not valid in this set. No message here.

Line 5:
Indicates that the set is not receiving an 'ident' signal on the selected source.
Note: On some models, BLUE MUTE is displayed (if the BLMU option is ON) when no signal is received.
In case there is no signal, 'NO SIGNAL' is displayed.

Line 6:
Indicates whether the SLEEPTIMER function is ON/OFF. This is displayed by 'TIMER ON.'

Line 7:
Indicates whether the CHILD LOCK function is ON/OFF. This is displayed by 'CHANNEL BLOCKED.'

Line 8:
Indicates whether the current channel is defined as SKIPPED or NON-PREFERRED.

Line 9:
Not valid.

Line 10:
Indicates which SOURCE is installed for this channel: AV1, CVI, AV2, AV4, or chosen 'off air' channel number.

Line 11:
Indicates which sound mode is installed for this channel: Mono, Stereo, or SAP.

Line 12 to 17:
Values indicate parameter levels of volume, balance, hue, color, brightness, and picture at CSM entry.

How to exit

The Customer Service Mode will switch off after pressing any (except channel + or channel - key) key of the RC transmitter (with the exception of the 'P+' and 'P-' keys) and switching off the TV set with the 'POWER' switch.

Problems and Solving Tips

Picture Problems

TV switches off or changes channel without any user action

The TV set switches off after 'TV SWITCHING OFF' was displayed.
Auto standby switched the set off because:

- There was no signal identification signal for more than 15 minutes.
- There was no RC transmitter signal received or local key pressed for > 2 hours.

See chapter 8 for a description of the options to enable/disable auto standby (option SBNP).

Picture too dark or too bright

- Press the 'Smart Picture' button on the RC transmitter. In case the picture improves, increase/decrease the brightness value or increase/decrease the contrast value.
- After switching on the Customer Service Mode the picture is OK. Increase/decrease the brightness value or increase/decrease the contrast value.

White line around picture elements and text

- Press the 'Smart Picture' button on the RC transmitter. If the picture improves, decrease the sharpness value.
- After switching on the Customer Service Mode the picture is OK. Decrease the sharpness value.

Snowy picture

Check CSM line 5. If this line indicates 'NO SIGNAL', check the following:

- no or bad antenna signal; connect a proper antenna signal
- antenna not connected; connect the antenna
- no channel preset is stored at this program number; go to the 'INSTALL' menu and store a proper channel at this program number
- the tuner is faulty (in this case the 2: CODES line will contain number 13 (Main Tuner 'A') or 16 (DW Tuner 'B'); check the tuner and replace/repair if necessary

Snowy picture and/or unstable picture

- A scrambled or decoded channel is received.

Black and white picture

- Press the 'Smart Picture' button on the RC transmitter. If the picture improves, increase the color value.
- After switching on the Customer Service Mode the picture is OK. Increase the color value.

Menu text not sharp enough

- Press the 'Smart Picture' button on the RC transmitter. If the picture improves, decrease the contrast value.
- After switching on the Customer Service Mode the picture is OK. Decrease the contrast value.

Sound Problems

- No sound or sound too loud (after channel change/switching on)
- After switching on the Customer Service Mode the volume is OK. Increase/decrease the volume level.

ComPair

Introduction

ComPair (Computer Aided Repair) is a service tool for Philips Consumer Electronics products. ComPair is a further development of the (European) DST (special RC transmitter for Service), which allows faster and more accurate diagnostics. ComPair has three big advantages:

- ComPair helps you to quickly get an understanding how to repair the EM1.1U in short time by guiding you systematically through the repair procedures.
- ComPair allows very detailed diagnostics (on I^2C level) and is therefore capable of accurately indicating problem areas. You do not have to know anything about I^2C commands yourself because ComPair takes care of this.
- ComPair speeds up the repair time since it can automatically communicate with the chassis (when the microprocessor is working) and all repair information is directly available. When ComPair is installed together with the Force/ EM1.1U electronic manual, schematics and PWBs are only a mouse-click away.

Specifications

ComPair consists of a Windows based faultfinding program and an interface box between PC and the (defective) product. The ComPair interface box is connected to the PC via a serial or RS232 cable. In case of the EM1.1U chassis, the ComPair interface box and the TV communicate via a bi-directional service cable via the service connector at the rear side of the set (located at the left side of the rear cinch connectors, see also figure 1-2).

The ComPair faultfinding program is able to determine the problem of the defective television. ComPair can gather diagnostic information in two ways:

- Automatic (by communication with the television):

  ComPair can automatically read out the contents of the entire error buffer. Diagnosis is done on I^2C level. ComPair can access the I^2C bus of the television. ComPair can send and receive I^2C commands to the micro controller of the television. In this way, it is possible for ComPair to communicate (read and write) to devices on the I^2C busses of the TV-set.

- Manually (by asking questions to you):

  Automatic diagnosis is only possible if the micro controller of the television is working correctly and only to a certain extend. When this is not the case, ComPair will guide you through the faultfinding tree by asking you questions (e.g. Does the screen give a picture? Click on the correct answer: YES/NO) and showing you examples (e.g. Measure test-point I7 and click on the correct waveform you see on the oscilloscope). You can answer by clicking on a link (e.g. text or a waveform picture) that will bring you to the next step in the faultfinding process.

By a combination of automatic diagnostics and an interactive question/answer procedure, ComPair will enable you to find most problems in a fast and effective way.

Beside fault finding, ComPair provides some additional features like:

- Emulation of the (European) Dealer Service Tool (DST).
- If both ComPair and SearchMan / Force (Electronic Service Manual) are installed, all the schematics and the PWBs of the set are available by clicking on the appropriate hyperlink.

Example: Measure the DC-voltage on capacitor C2568 (Schematic/Panel) at the Monocarrier.
Click on the 'Panel' hyperlink to automatically show the PWB with a highlighted capacitor C2568.
Click on the 'Schematic' hyperlink to automatically show the position of the highlighted capacitor.

How to Connect

1. First install the ComPair Browser software (see the Quick Reference Card for installation instructions).
2. Connect the RS232 interface cable between a free serial (COM) port of your PC and the PC connector (marked with 'PC') of the ComPair interface.
3. Connect the AC power adapter to the supply connector (marked with 'POWER 9V DC') on the ComPair interface.
4. Switch the ComPair interface OFF.
5. Switch the television set OFF (remove the AC power).
6. Connect the ComPair interface cable between the connector on the rear side of the ComPair interface (marked with 'I^2C') and the ComPair connector on the mono carrier (see figure 5-6).

7. Plug the AC power adapter in the AC power outlet and switch on the interface. The green and red LEDs light up together. The red LED extinguishes after approx. 1 second while the green LED remains lit.
8. Start ComPair and select 'File' menu, 'Open...' select 'EM1.1U Fault finding' and click 'OK'.
9. Click on the icon to switch 'ON' the communication mode (the red LED on the ComPair interface will light up).
10. Apply AC power to TV-set with the 'POWER' switch.
11. When the set is in STANDBY, click on 'Start-up in ComPair mode from standby' in the ComPair EM1.1U faultfinding tree, otherwise continue.

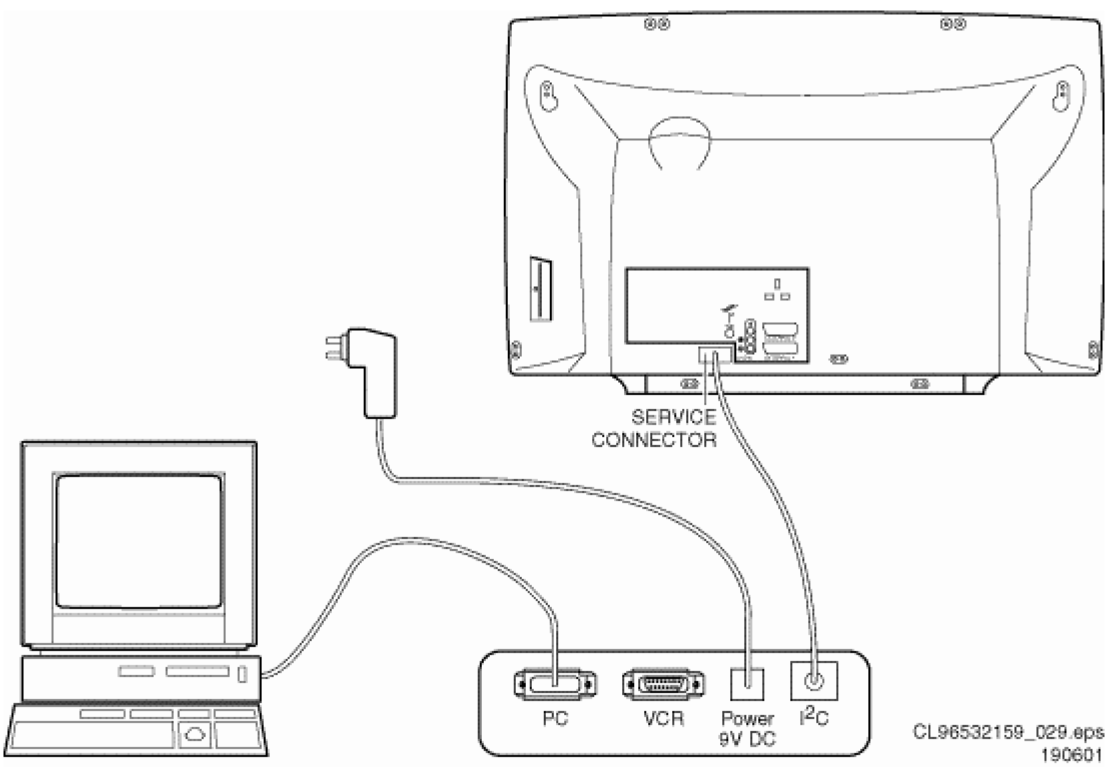


Figure: ComPair Interface connection

The set has now started up in ComPair mode. Follow the instruction in the EM1.1U faultfinding tree to diagnose the set. Note that the OSD works but that the actual user control is disabled.

Error Buffer

Introduction

The error code buffer contains all detected errors since the last time the buffer was erased. The buffer is written from left to right. When an error occurs that is not yet in the error code buffer, it is written at the left side and all other errors shift one position to the right.

How to Read the Error Buffer

Use one of the following methods:

- On screen via the SAM (only if you have a picture). Examples:
  - ERROR: **0 0 0 0 0** : No errors detected
  - ERROR: **6 0 0 0 0** : Error code 6 is the last and only detected error
  - ERROR **: 9 6 0 0 0** : Error code 6 was first detected and error code 9 is the last detected (newest) error
- Via the blinking LED procedure (when you have no picture). See next paragraph.
- Via ComPair.

How to Clear the Error Buffer

The error code buffer is cleared in the following cases:

- By activation of the 'CLEAR ERRORS' command in the SAM menu.
- When you exit SDM/SAM with the 'STANDBY' command on the remote control (when leaving SDM/SAM, by disconnecting the set from AC power, the error buffer is not reset).
- When you transmit the command 'DIAGNOSE-99-OK' with ComPair.
- If the content of the error buffer has not changed for 50 hours, it resets automatically.

Error Codes

In case of non-intermittent faults, clear the error buffer before starting the repair. This is to ensure that 'old' error codes are not present.

If possible, check the entire content of the error buffer. In some situations, an error code is only the result of another error code (and not the actual cause). For example, a fault in the protection detection circuitry can also lead to a protection.

Table: Error Code Table

Error	Device	Description	Def. item	Diagram
1	FBX 3V3 prot	FBX 3V3 protection	5703	B3
2	No HFB	No Horizontal Flyback	3323	B4
3	X-Ray protection	X-Ray protection	3310	B4
4	5V protection	5V protection	1200/7651	A7/B6
5	No HOP POR	Startup failure		B4
6	General I2C bus error	General I2C bus error	1943	A7
7	Mains Dip error	HW error		
8	3D comb prot	3D comb prot	Black box	C0/C1
10	MC24C32	NVM communication error	7012	B7
11	MC24C32	NVM identification error	7012	B7
12	SAA5667	Main uP, int. RAM test failure	7001	B7

Error	Device	Description	Def. item	Diagram
13	TEDE9	Main Tuner	1200	A7
14	MSP3415D	MSP34xx	7651	B6
15	NA	NA	NA	NA
16	TELE9	PIP Tuner	1900	L1
17	M65669	Multi PIP IC	7803	L2
18	TEA6425	PIPVideo Matrix IC	7910	L1
30	TDA9320	HIP I/O video processing	7323	B2
31	SAA4978	PICNIC	7709	B3
32	TDA9330	HOP video control/geometry	7301	B4
35	M62320	IO expander HD Jack	7106	N1

Explanation of error codes:

Error 0

No errors

Error 1

This protection is activated when the PICNIC (pos. 7709 on diagram B3) cannot communicate via I^2C for a certain time. This could mean that stabilizer 7009 or 7713 on SSB is defective (dependent of variant). When there is a short circuit to ground behind the stabilizer, 7009 or 7713 could become very hot. For safety reasons, the set will be switched to protection mode.

Error 2

The HOP (pos. 7301 on diagram B4 detects the absence of an HFB pulse (pin 4 of connector 0324 on LSP, diagram A3)). A bit will be set in the HOP. After filtering by the software, the set will switch to protection mode.

Error 3

This protection is activated when the high-tension voltage of the set is too high. It is called X-ray protection. This protection is triggered by circuitry around 3475 on diagram A3.

Error 4

When the +5V protection is active, the set is switched to protection and error code 4 is placed in the error buffer. The LED will blink 4 times (repeatedly).

A 5V failure can cause a drop in the 5V supply output, resulting in an undefined behavior of the set. Therefore, some I^2C devices (Tuner and MSP) connected to the 5V supply are constantly monitored. When none of these devices responds to the microcontroller for a prolonged time, the microcontroller assumes that there is a failure in the 5V supply.

By starting up (disconnecting/reconnecting the AC power cord) the set via grounding of the 'FRONT-DETECT' line (on the side I/O), the +5V protection will be overruled, and it will be easier to determine the cause. The +5V protection will be activated when these I^2C devices fail (no I^2C communication): Main Tuner (pos. 1200 on the LSP), MSP3452 sound processor (pos. 7651 on the SSB).

The following tips are useful to isolate the problem area, after overriding the +5V protection. Determine whether:

The MSP sound processor is loading the +5V; isolate 3650 and/or 4604 (see diagram B6).

The main Tuner is loading the +5V source; isolate coil 5200.

Error 5

See startup flow chart (figure 5.7).
When POR bit is not communicated during startup, the processor will generate 'HOP POR not successful.'

Error 6

This will occur in the following cases:

- SCL or SDA is shorted to ground.
- SCL is shorted to SDA.
- SDA or SCL connection at the microcontroller is open.

Error 7

Flash detection: From the EHT info, via D6303 and T7303, a flash will stop the H-drive and line output stage immediately. The FLS bit in the status register of the HOP is set to 'high.' As the duration of a flash is very short, the FLS bit will be reset to 'low' again after the flash refresh, so via a slow start the set will be started again.
If this interrupt occurs 5 times within an interval of 10 seconds (indicating an AC power interruption), the set will go into protection and will generate error 7.

Also HW protections (bridge_prot (see diagram A3), non-Vertical Flyback (measured with circuitry 7641 on diagram A4)), lead via 'DEFL-prot' line to a 'Standby' situation, while the processor thinks the set is 'on.' Also here after retrying 5 times, error 7 will be generated.

Error 8

This protection is activated when the Comb filter circuitry (diagrams C0 and C1) cannot communicate via I^2C for a certain time.

Error 10

Non Volatile Memory (EEPROM - pos. 7012) does not respond to the microcontroller.

Error 11

During the last startup, the NVM and the microcontroller did not recognize each other (e.g., one of them was replaced or the NVM memory has been changed/adapted or lost), therefore the NVM was loaded with default values.

Error 12

Microprocessor (Painter - pos. 7001) internal RAM test failure.

Error 13

Tuner (pos. 1200) is corrupted, the I^2C line to the tuner is low, or there is no supply voltage at pins 7, 4, and 5 of the tuner.

Error 14

Sound controller MSP34xx (pos. 7651) does not respond to the microcontroller.

Error 16

The Tuner (pos. 1900) on the PIP panel does not respond to the microcontroller.

Error 17

Multi PIP IC M65669 I^2C communication failure (pos. 7803 on the PIP panel).

Error 18

I/O expander IC TEA6425 I^2C communication failure (pos. 7910 on the PIP panel).

Error 30

TDA 9320 HIP I/O video processing (pos. 7323 on the SSB).

Error 31
SAA4978 PICNIC error (pos. 7709 on the SSB).

Error 32
TDA 9330 HOP video control/geometry error (pos. 7301 on the SSB).

Error 35
I/O expander IC M62320P I^2C communication failure (pos. 7106 on the High Definition Jack panel).

Note: Error codes 1, 2, 4, and 8 are protection codes, and in this case supplies of some circuits will be switched off. Also in protection, the LED will blink the number of times equivalent to the most recent error code.

The 'Blinking LED' Procedure

Via this procedure, you can make the contents of the error buffer visible via the front LED. This is especially useful when there is no picture.

When the SDM is entered, the LED will blink the contents of the error buffer.
Error codes = 10 are shown as follows:

- a long blink of 750ms (which is an indication of the decimal digit),
- a pause of 1.5s,
- n short blinks (n = 1 - 9),
- when all the error codes are displayed, the sequence finishes with a blink of 3s,
- the sequence starts again.

Example of error buffer: **12 9 6 0 0**
After entering SDM:

- 1 long blink of 750ms followed by a pause of 1.5s,
- 2 short blinks followed by a pause of 3s,
- 9 short blinks followed by a pause of 3s,
- 6 short blinks followed by a pause of 3s,
- 1 long blink of 3s to finish the sequence,
- the sequence starts again.

Note : If errors 1, 2, 4 or 8 occur, the LED **always** gives the most recent error, even if the set is NOT in service mode.

Protections

General

The EM1.1U has only one microprocessor (Painter) which remains active during Standby. This is because power for the microprocessor and the memories comes from the 3V3 supply, which is derived from the 5V Standby circuitry. Therefore, in both Power on as in Standby mode the microprocessor is connected to this power supply.

If a fault situation is detected an error code will be generated and if necessary, the set will be put in the protection mode. The protection mode is indicated by blinking of the red LED (at a frequency of 3Hz). In some error cases, the microprocessor does not put the set in the protection mode. The error codes of the error buffer can be read via the service menu (SAM), the blinking LED procedure or via DST/ComPair.

To get a quick diagnosis the EM1.1U has 3 service modes implemented:

- The Customer Service Mode (CSM).
- The Service Default Mode (SDM). Startup of the set in a predefined way.
- The Service Alignment Mode (SAM). In this mode, items of the set can be adjusted via a menu and with the help of test patterns.

The 'Protection Diagram' shows the structure of the protection system. See diagram below.

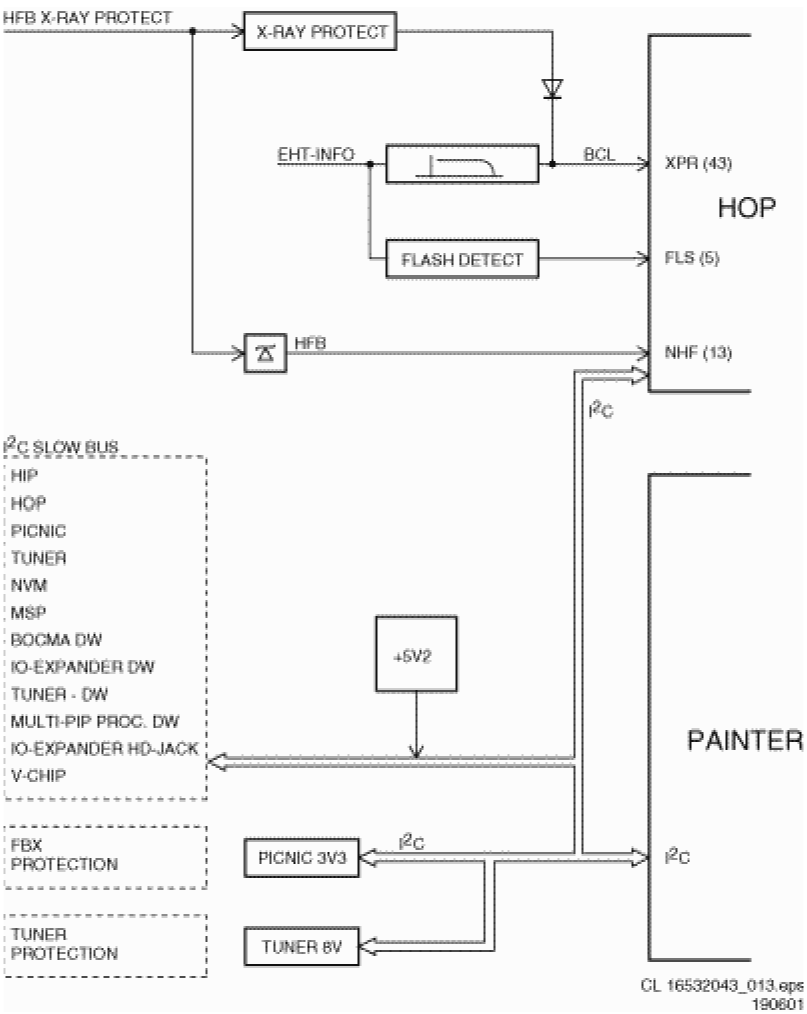


Figure: Protection diagram

There are several types of protections:

- I^2C related protections (e.g., +5V supply check).
- HOP related protections (mainly for deflection items).
- Hardware errors which are not sensed by the Painter (e.g., BRIDGE_PROT)

I 2 C Related Protections

In normal operation some registers of the I^2C controlled ICs will be refreshed every 200ms. During this sequence, the I^2C busses and the I^2C ICs as well will be checked. The I^2C protection will take place if the SDA and SCL are short-circuited to ground or to each other. An I^2C error can also occur if the power supply of the IC is missing (e.g., FBX_PROT: error 1).

HOP Related Protections

Every 200ms, the status register of the HOP is read by the Painter via I^2C. If a protection signal is detected on one of the inputs of the HOP, the relevant error bit in the HOP register is set to 'high.' If the error bit is still 'high' after 1s, the Painter will store the error code in the error buffer (NVM) and, depending on the relevance of the error bit, the set will either go into the protection mode or not.

- HFB: Horizontal Flyback.

If the horizontal flyback is not present, then this is detected via the HOP (HFB_X-RAY_PROT). One status bit is set to 'high.' The error code is stored in the error buffer and the set will go into the protection mode.

- Flash detection.

From the EHT info, via D6303 and T7303, a flash will stop the H-drive and line output stage immediately. The FLS bit in the status register of the HOP is set to 'high.' As the duration of a flash is very short, the FLS bit will be reset to 'low' again after the flash refresh and via a slow start the set will be started again.

Hardware Related Protections

Due to the architecture (with 'hot' deflection) there are two protections that are 'unknown' to the microprocessor, namely the 'BRIDGE_PROT' (coming from the line stage) and the 'DEFL_PROT' protection (coming from the frame deflection stage).
If one of these protections is triggered, the set is positioned in 'Standby' mode. The Painter will now try to restart the set. If this does not succeed after 5 times (after 30 - 60s.), the Painter will generate error 7 (this error can have several causes, such as repeating flashes, BRIDGE_PROT/Non VFB leading to DEFL_PROT or a serious AC power dip). A red LED will start blinking.

General and Repair Tips

General

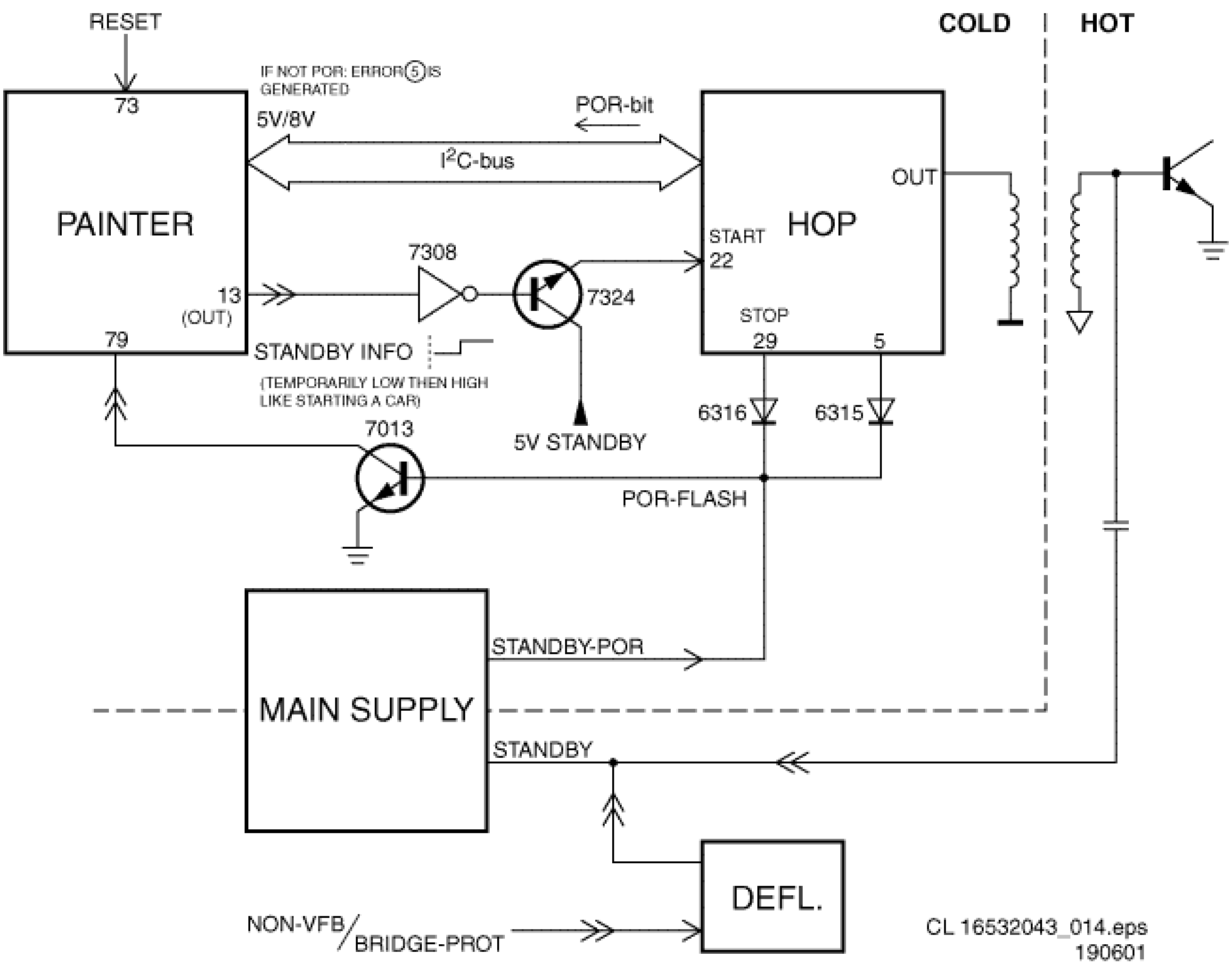


Figure: Start-up circuitry

The startup of the set is very different from other sets (see figure 5-7 and 5-8):

1. When the set is switched 'on', first the HOP is placed in 'low power startup' mode (HOP standby mode). This means that 5V (derived from the available Standby supply) is connected to pin 22 of the HOP IC.

2. Now the HOP is driving the line circuitry with 50kHz pulses. At the base of the line transistor this is sensed via the 'STANDBY' line.
3. This signal triggers the Main supply to operate. Now the line stage has 'BAT' voltage (141 V); it will also start.
4. After the 5V and 8V supply lines are sensed by the Painter (via I^2C), it will read the POR bit from the HOP via the I^2C bus.
5. Now the HOP is switched into 'on' mode and the set will start up further with normal drive (31.468kHz for NTSC).
6. The last step will be the unblanking of the picture.

Note: So standby is not controlled via a standby line from the microprocessor, but is achieved indirectly via the HOP circuitry.

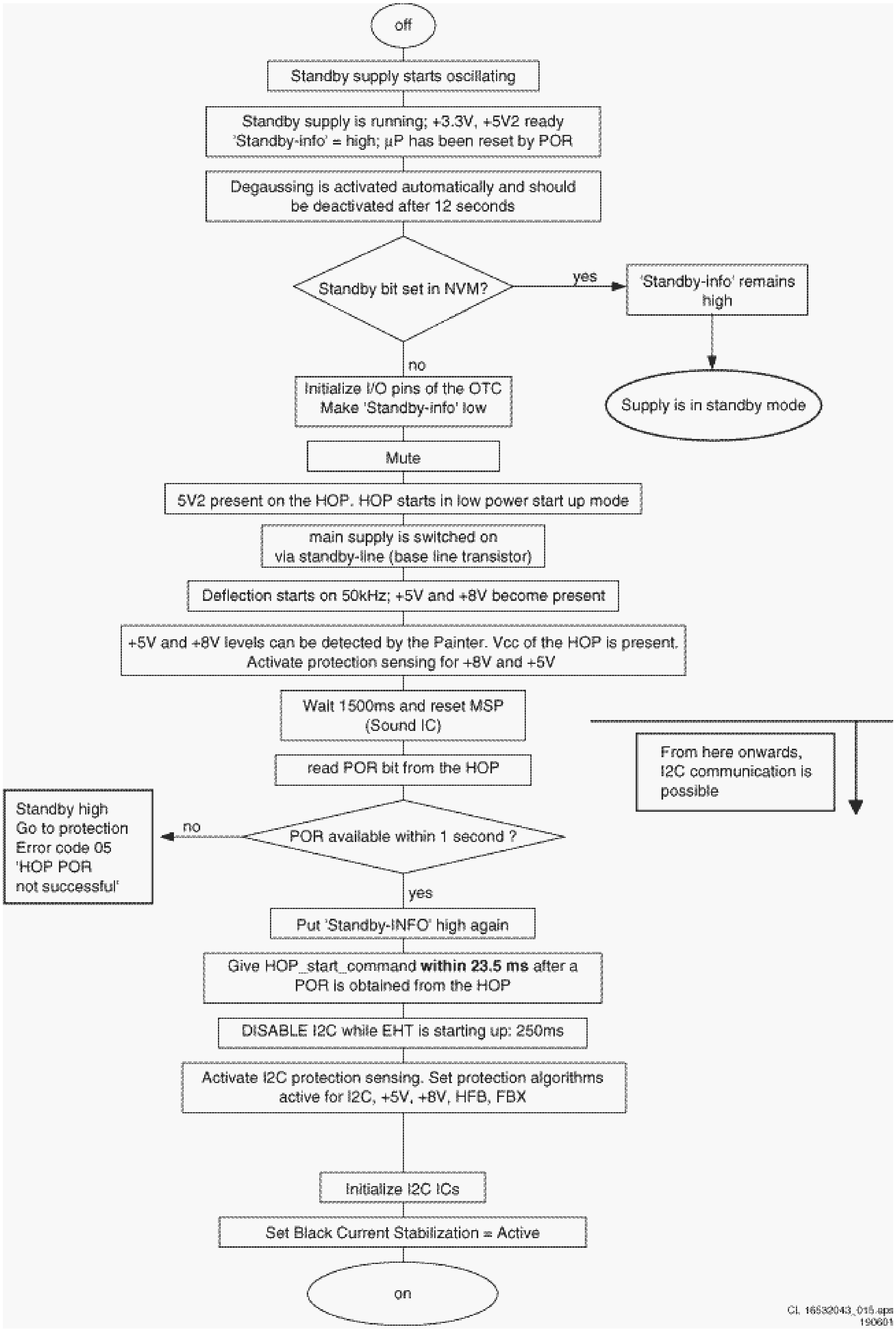


Figure: Start-up diagram

Notice that a very big part of the set (Large Signal Panel) is 'hot,' meaning the primary part of the Standby supply, the whole Main supply (except for the secondary Audio supply), and the complete deflection circuit.
So notice that the deflection-coil is hot.

This set is not equipped with an IR transmitting LED. Instead, a Service (ComPair) connector is implemented at the rear of the set, which is directly accessible (not necessary to remove the rear cover).
In addition to this, there is a blinking LED procedure to show the contents of the error buffer.

The relay you hear during switching 'on' (via the power switch) is from the degaussing circuitry. So it is not used for switching the supply as in the MG chassis.

When there is a menu on the screen, it is not possible to enter a service mode. So see to it that there is no menu on the screen when attempting to enter a service mode.

Main Power Supply

The simplest way to replace components of the Main supply is with repair kit: 3122 785 90340.

More detailed way:

1. Replace FET 7504 and zener 6505.
2. Remove SSB panel.
3. Short circuit BE of TS7529 in order to put supply in 'on' mode (TS7529 is blocking then).
4. Load capacitor C2515 (VBAT) with a 500 ohm power resistor (supply cannot work without a minimum load).

5. Use a variac to slowly increase the AC power. Measure over sensing resistors R3514/15, to confirm a nice sawtooth voltage becomes available. Also measure the VBAT output.
6. VBAT may never exceed 141V. If so, there is something wrong in the feedback circuitry (e.g., regulator 7506).

Caution:

Be careful measuring the gate of FET 7504. Circuitry is very high impedance and can easily be damaged (first connect ground to measuring equipment, then measure the gate).

Do not try to measure on side of SSB directed to the hot heatsink. This is dangerous. Most relevant service test points are guided to the Tuner side and are pointed out by service printing. Where the circuitry was too crowded to place this service printing, it has been explained on the Test Point Overviews in this manual. It is also possible to use the SSB extension panel (part number: 9965 000 05769), so that all test points are easily accessible.

Standby Power Supply

The simplest way to replace components of the Standby supply is with repair kit: 3122 785 90350.

Horizontal Deflection

The simplest way to replace components of the Horizontal Deflection circuitry is with repair kit: 3122 785 90120.

Vertical Deflection

Caution: When you suspect the Vertical Deflection circuitry, please be careful. Because there is a DC voltage on the vertical deflection, the beam current can damage the CRT neck, leading to a defective CRT.
The best thing to do is:

1. Interrupt pin 3 of connector 0224 on the CRT panel (diagram F), in order to remove the 'filament' voltage from the tube (no beam current, so no chance of destroying the CRT).
2. Measure with a multimeter, or better with an oscilloscope, the functionality of the Frame stage.
3. After you have found the cause, exchange the defective component (e.g., TDA8177), and re-solder the interrupted pin 3.

Problem	Possible Cause	Repair Tip
No picture, no LED	Standby Supply defective.	Measure circuitry (see diagram A2). Start at test point P16. Regardless of the mode of the set, this voltage should always be available.
No picture, red LED, while expectation was the set should be 'on' (LED off). After some time LED will start blinking.	There is a protection (called defl-prot on diagram A4) (which is not 'seen' by the processor) that forces the set into protection (after 5 restart attempts)	Defl-prot can be triggered by: - Non-VFB. Can be measured on F10 - Bridge-prot (diagram A3) triggers circuitry around 7652/7641/7407 on diagram A4. (reason can be a short circuit of coil 5422 or excessive horizontal amplitude) - Big mains interrupts measured via 141V (3645) on diagram A4 If after 5 restart attempts, set does not function adequately, error 7 will be generated. The standby LED will blink at 3Hz (= protection).
Set going into protection after 5 restarts (error 7), taking about 30 - 60s	180V missing on CRT panel (diagr. F). Most probably R3341 is interrupted, or RGB amplifier IC7307 is defective.	Measure 180V behind R3341 (diagr. F) while operating, or measure resistance of R3341 while set is off
No picture, red LED blinking (3Hz)	Set is in protection due to various causes. For error codes see error code list.	You have no picture, so: - Read out the error buffer via ComPair. (Simulate dealer remote and trigger blinking LED procedure via diagnose <x> <ok>. (x is error code position of the error buffer) When error is known, check circuitry related to supply voltage and I^2C - communication.
No picture, red LED blinking (code 6, 6, 6)	No communication on I^2C bus ('devices' bus) to processor. Set is in protection mode	Measure, dependent of the error, on the I^2C bus which device is loading the bus. This protection can be overruled via SDM entry (via short circuiting 'FRONT DETECT' to GND on Side I/O, while switching on the set with mains cord disconnected/connected
No picture, red LED blinking (code 10, 10, 10)	No communication on I^2C NVM bus to processor. Set is in protection mode	No contact of processor with the NVM. A lot of settings will therefore be wrong.
No picture, no sound, set is making audible squeaking sound	Supply could be in hiccup mode which can be heard via supply transformer squeaking	This could be caused by: - Short circuited V_{BAT} (caused by short circuited line transistor 7421) or - Short circuited sound winding (amplifier is short circuiting 28V) or - Short circuited D6514 (due to excessive V_{BAT}). Delete excessive load to see where failure is being caused or check feedback circuit. See main power supply repair tip (supply needs a minimal load).
No picture, no sound, LED works fine	Supply does not work correctly	If, e.g., V_{BAT} is only about 90V, regulator IC 7506 could be damaged.
No RC5 reception. Red LED does not echo RC commands	Processor circuitry or RC receiver is faulty.	If the set functions with local keyboard operation, the fault must be in the IR receiver circuitry (diagram J).
Relay activation (degaussing) not audible when switch set 'on' from 'off'	Processor not working correctly.	Check RESET circuitry on diagram B5. When switching on the set all I/O pins of processor should become high for a moment. Degauss input signal must be activated for 12 seconds. (so controlled by processor)
No sound, but picture	Measure P7 on diagram A1. Possible sound amplifier is defect (but not short circuited), or sound enable line is high (see diagram A5). Further the audio signal path must be measured (HIP, MSP, switch ICs, amplifier).	Measure and repair. With ComPair there is a beep-test that can determine where the signal stops (use loudspeakers, headphone).
No sound at headphone output	Discrete amplifiers or supply could be damaged.	Measure A12, A13, A14, A15 and supply line on diagram A6.
Picture is rotated	Rotation circuitry or supply could be damaged (if present).	Measure test points F3, R1, R2 on diagram A4.
No picture	Check functionality and cabling of Tuner to SSB.	Check cable 1946.
Picture looks like cushion, further OK	NVM content is overwritten or E/W MOSFET is short circuited	First, check in Service Alignment Mode whether geometry can be restored. If not, check test point L4 and diagram A3, or measure with an ohmmeter whether TS7480 is defective.
Very white picture, with flyback lines visible	180V is missing on CRT panel	Probably R3468 on LSP (diagram A3) is interrupted, or there is a bad connection from plug 0324 to 0224 (CRT panel).
Picture out of focus	Focus could be misaligned or SCAVEM circuitry does not work correctly	Align focus potmeter of Line Transformer; check SCAVEM circuitry on CRT panel [F].
Loss of sync	Sync is derived in HIP IC from crystal 1318	Confirm the crystal is making good contact.
Picture distorted	Check video path, service default mode.	Investigate whether there is an error code in the error buffer. If there is an error code, check I^2C bus and/or supply lines (see overview of supply lines). Measure and check the signal path of the Tuner, HIP, DW panel, 3D comb filter circuitry, PICNIC, HOP, RGB amplifier. If it is a geometry issue, check Frame circuitry, alignments or possibly corrupted NVM (7012)
No menu, OSD.	The processor is probably defective.	Measure test points C7, C8, C9, C10 on diagram B7.
No DW/PIP	Bad connection, or malfunctioning DW panel	First check whether coax cable 1681 of SSB to 1948 of LSP is connected correctly. Without this connection, there is no picture
Small magenta block at bottom of picture in 1080I mode	Blanking of set top box active in the middle of the picture	Delete 7110 or 7713 of HD jack panel CL 16532043_086.pdf 200601

Figure: Repair Tips

Alignments

Contents of this chapter:

- General Alignment Conditions
- Hardware Alignments
- Software Alignments and Settings

Note: The Service Default Mode (SDM) and Service Alignment Mode (SAM) are described in chapter 5. Menu navigation is done with the “CURSOR UP, DOWN, LEFT or RIGHT” keys of the remote control transmitter.

General Alignment Conditions

All electrical adjustments should be performed under the following conditions:

- AC voltage and frequency: 110V (± 10%); 60Hz (± 5%)
- Connect the set to AC power via an isolation transformer.
- Allow the set to warm up for approximately 20 minutes.
- Measure the voltages and waveforms in relation to the chassis ground (with the exception of the voltages on the primary side of the power supply). Never use the cooling fins/plates as ground.
- Test probe: Ri > 10M; Ci < 2.5pF.
- Use an isolated trimmer/screwdriver for the alignments.
- The following default settings are needed to start the alignment:
    - set color enhancement to NATURAL or MOVIE mode,
    - switch “off” dynamic contrast,
    - switch “off” active control,
    - set brightness to 42 and contrast (named picture) on 99,
    - external video pattern generator on system NTSC M, 61.25MHz (channel 3).

Hardware Alignments

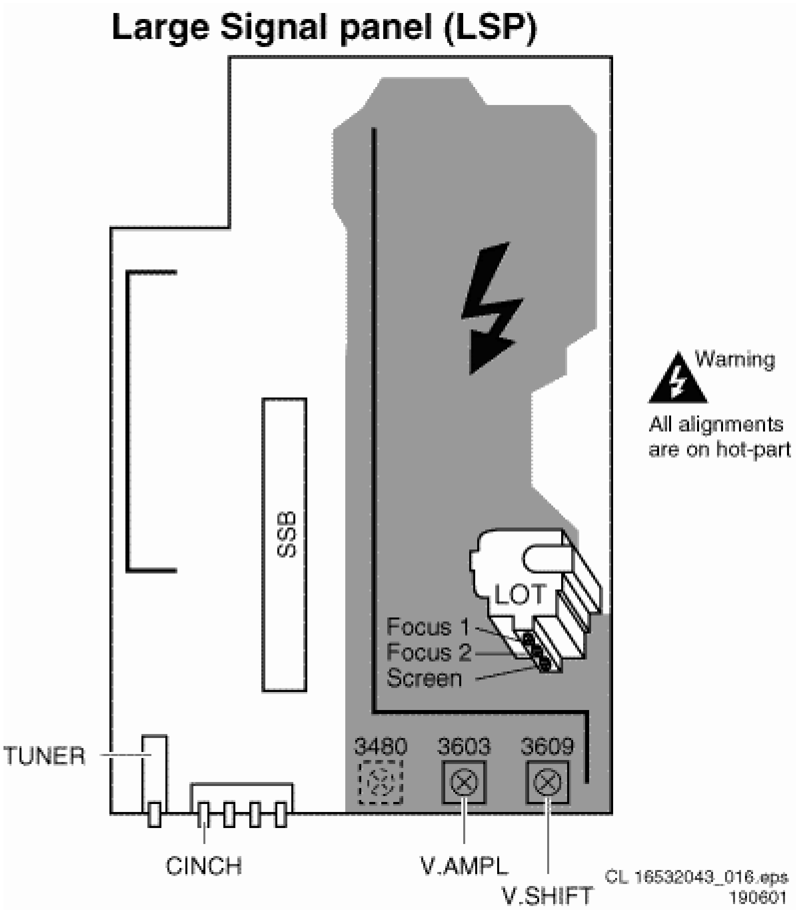


Figure: Large Signal panel (LSP)

Vg2 Adjustment

Method 1 (without oscilloscope)

1. Connect a video pattern generator to the set with a “black pattern” signal.
2. First, adjust the Vg2 potmeter to the middle of the adjustment range.
3. Adjust the Vg2 potmeter of LOT (item 5430) to obtain a normal picture (without visible flyback lines).

Method 2 (with oscilloscope)

1. Connect the RF output (channel 3) of the pattern generator to the antenna input of the TV. Test pattern is a “black pattern” (blank screen on CRT without any OSD info).
2. Set Normal Red, Normal Green and Normal Blue to 32.
3. Set contrast to 0 and brightness to a minimum (with OSD still visible).
4. Set the channel of the oscilloscope to 50V/div. and the time base to 0.2ms. Select “external triggering” on the vertical pulse (pin 1 of optocoupler 7610, located near connector 0325 to frame deflection coil).

Caution: be aware that the frame deflection is “hot” and CRT circuit is “cold”.

1. Measure the black level pulse during the vertical flyback (1st full line after the frame blanking) at the R, G, and B cathodes of the CRT (pin 8, 6 and 11 of the CRT socket). Select the cathode with the highest VDC value for adjusting.
2. Adjust this gun with the Vg2 (SCREEN) potmeter of the LOT to 160V ± 2VDC for the 27 inch sets and to 165V ± 2VDC for the 32 inch sets.

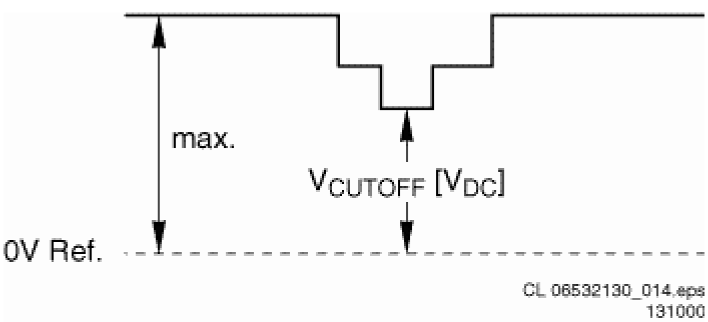


Figure: Waveform Vg2 alignment

Focus

1. Tune the set to a circle or crosshatch test pattern (use an external video pattern generator).
2. Adjust the first Focus potmeter (upper LOT potmeter, see figure 8-1) until the horizontal and vertical lines at 1/4 from east and west, at the height of the centerline, are of minimum width without visible haze.
3. Adjust the second Focus potmeter (middle LOT potmeter, see figure 8-1) until the horizontal and vertical lines at 1/4 from north and south, at the height of the centerline, are of minimum width without visible haze.

PIP AGC adjustment

The Automatic Gain Correction adjustment prevents overdriving of the PIP-tuner if the aerial signal is too strong. Overdriving is visible as a loss of color and synchronization in the PIP picture. Amplification has to be adjusted to minimum level, but the PIP-picture should be as free of noise as possible.
Adjustment

1. Connect a pattern generator to the PIP tuner.
2. Select color bar without sound and apply a strong aerial signal of 4mV (72dBµV) and set frequency for NTSC to 61.25MHz.
3. Connect an oscilloscope to the output of the PIP tuner (pin 11).
4. Adjust potentiometer R3942 so that the oscilloscope indicates 0.5Vpp.
5. If an aerial signal is not available, adjust R3942 to 30% of its total travel (100% is fully left).

PIP AFC adjustment

Set the pattern generator (e.g., PM5418) to a color bar video signal and connect the RF output to aerial input. Set amplitude to at least 1mV.

1. Connect a multimeter to the AFC output on pin 15 of IC 7914 (TDA9801).
2. Use potentiometer R3944 to adjust the AFC output to 2V6.

Software Alignments and Settings

General

With the software alignments of the Service Alignment Mode, the Geometry, White tone and Tuner (IF) can be aligned. Put the set in the SAM mode (see chapter 5). The SAM menu will now appear on the screen. Menu navigation is done with the 'CURSOR UP, DOWN, LEFT or RIGHT” keys of the RC transmitter.

Geometry

Introduction

The geometry alignment menu contains several items to align the set, in order to obtain correct picture geometry.
For all geometry alignments, use an external pattern generator with a geometry pattern (e.g., crosshatch).
See figure below for the correct alignments.

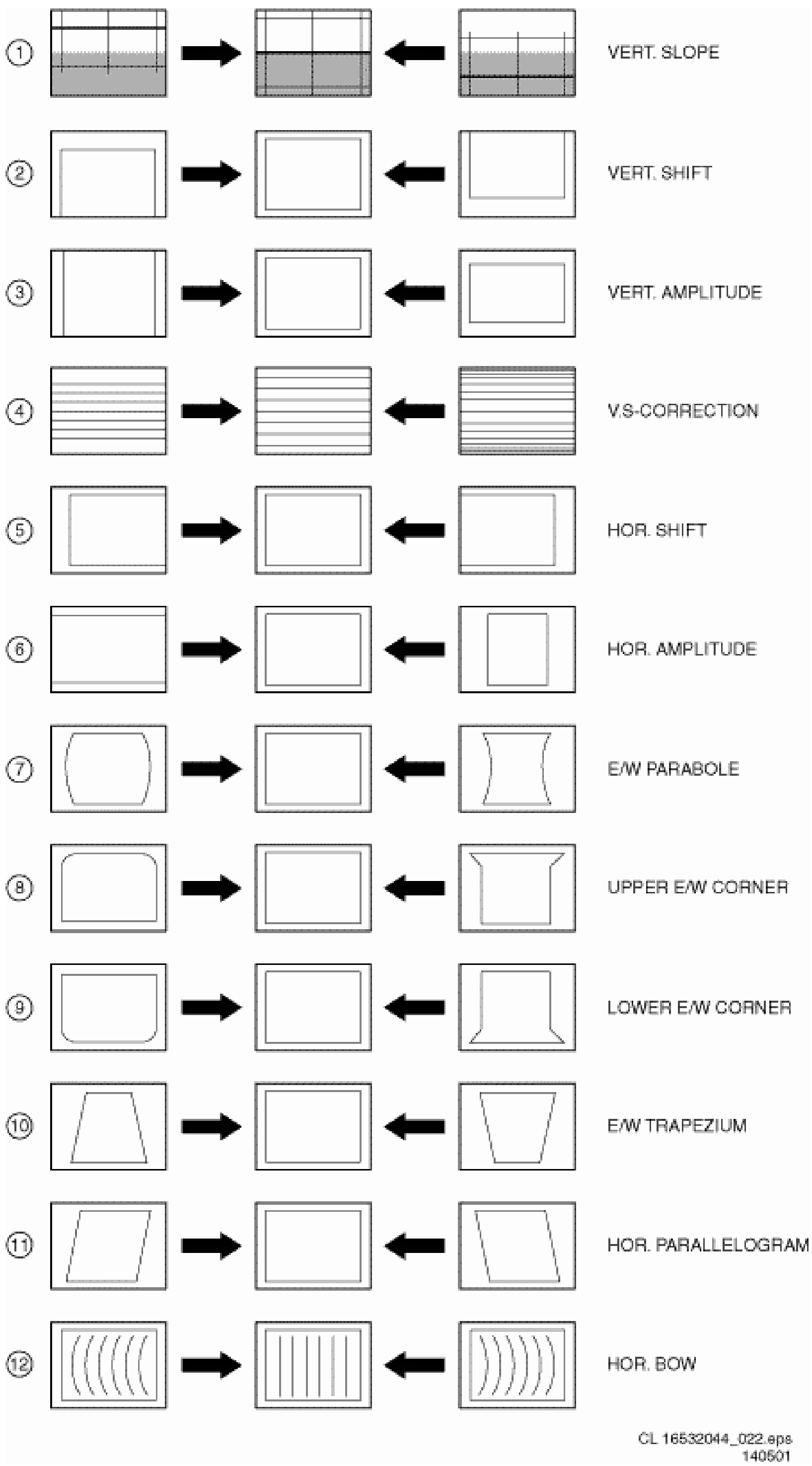


Figure: Geometry alignments

Alignments

1. Connect an external video pattern generator to the aerial input of the TV set with a crosshatch test pattern.
2. Use default settings as mentioned in paragraph 8.1.
3. Activate the SAM menu (see chapter 5).
4. Go to sub menu GEOMETRY. Now the following alignments can be performed:
    - **Vertical slope (VER. SLOPE)** Align the vertical center of the picture to the vertical center of the CRT. This is the first alignment to be performed of the vertical alignments. For an easy alignment set SERV.BLK to on.
    - **Service blanking (SERV. BLK)** Switch the blanking of the lower half of the screen on/off (to be used in combination with the vertical slope alignment).
    - **Vertical amplitude alignment** Align the vertical amplitude with potentiometer R3603 on the LSP (see Fig. 8-1) so that the complete test pattern is visible.
    - **Vertical shift alignment**. Align the vertical centering with potentiometer R3609 on the LSP (see Fig. 8-1) so that the test pattern is located vertically in the middle. Repeat the “vertical amplitude” alignment if necessary.
    - **Horizontal shift (HOR. SHIFT)** [*] Align the horizontal center of the picture to the horizontal center of the CRT.
    - **Horizontal bow (HOR. BOW).** Align straight horizontal lines in the top and the bottom, horizontal rotation around the center.
    - **Horizontal parallelogram (HOR. PARALLEL)** . Align straight vertical lines in the top and the bottom, vertical rotation around the center.
    - **East West width (EW. WIDTH)** [*] Align the picture width until the complete test pattern is visible (similar to Horizontal Amplitude).
    - **East West parabola (EW. PARA)** [*] Align straight vertical lines at the sides of the screen.

- **East West Trapezium (EW. TRAP)** Align straight vertical lines in the middle of the screen.
- **East West Upper Corner (EW. UCORN)** [*] Align straight vertical lines in the upper corners of the screen.
- **East West Lower Corner (EW. LCORN)** [*] Align straight vertical lines in the lower corners of the screen.

[*] Note: Perform these alignments also in 480p and 1080i mode (AV4). Use a 1080i pattern generator (e.g., Sencore VP300). When you leave the geometry menu, the values are stored.
Use a kind of crosshatch pattern, in which you can recognize a vertical line, which is placed on a horizontal amplitude of about 87% (as seen from the center of the CRT). This line is used as a reference, to adjust the overscan situation in 1080i and 480p mode on the edge of the phosphor.

Black cut off Alignment

You can adjust the values of the “black cut off” level in the WHITE TONE sub menu. The color temperature mode (NORMAL, DELTA COOL, and DELTA WARM) or the color (R, G, B) can be selected with the “UP/DOWN RIGHT/LEFT” cursor keys. Change the value with the “RIGHT/LEFT” cursor keys.
First, select the values for the NORMAL color temperature. Then select the (offset) values for the DELTA COOL and DELTA WARM mode. The alignment values are non-linear:

- +1 to +63 represent a positive offset (63 is the maximum positive offset).
- -63 to -1 represent a negative offset (-63 is the minimum negative offset).

Set the pattern generator (e.g., PM5418) to a white spot (chessboard) pattern and connect RF output with aerial input. Set amplitude to 1mV and use default settings as mentioned in paragraph 8.1.
Alignment procedure:

1. NORMAL settings
   - NORMAL RED = 32
   - NORMAL GREEN = 32
   - NORMAL BLUE =32
2. COOL settings
   - DELTA COOL RED = -4
   - DELTA COOL GREEN = 0
   - DELTA COOL BLUE = +10
3. WARM settings
   - DELTA WARM RED = +10
   - DELTA WARM GREEN = 0
   - DELTA WARM BLUE = -6
4. CUT OFF (default) settings
   - BLACK LEVEL R = 7
   - BLACK LEVEL G = 7
5. Measure with a color analyzer (calibrated with the spectra) on the center of a white square on the screen. Adjust the values of BLACK LEVEL R and BLACK LEVEL G to get the right XY coordinates for Tint = Normal

Table: Xy coordinates

Tint	**Temperature (deg. K)**	**X**	**Y**
Warm	6500	313	324
Normal	9300	285	293
Cool	12000	270	275

Note: When there is no color analyzer available, use the default settings mentioned above.

Peak-White Alignment

You can adjust the light output of the CRT in the WHITE TONE sub menu. In this case, a color analyzer is necessary.

1. Set the pattern generator to a pattern having a white (100 % video) area and connect RF output to aerial input. Set amplitude to 1mV.
2. Set the default settings as mentioned in the start of this chapter.
3. Measure with a color analyzer (calibrated with the spectra) on the center of the white square on the screen. Adjust the levels of NORMAL RED, NORMAL GREEN and NORMAL BLUE so that you retrieve a 390 cd light output for the 27 inch sets and 400 cd light output for the 32 inch sets.

Tuner (Large Signal Panel)

Note: Described alignments are only necessary when HIP or NVM is changed.

IF PLL OFFSET

Set the pattern generator (e.g., PM5418) to a color bar video signal and connect the RF output to aerial input. Set amplitude to at least 1mV.
Alignment procedure:

1. Choose a known good channel.
2. Enter SAM mode and select TUNER
3. Align the IF AFC parameter so that you come into the AFC window, meaning that the AFB value must be on the transient of going from 1 to 0 (see table below, which explains the best way of aligning).
4. After this alignment, store the value by returning to the former menu (via “MENU/SELECT” key).
5. Exit the SAM mode via the “Standby” button on the RC transmitter.

Table: IF PLL offset

AFA	**AFB**	**IF PLL offset**
0	0	Decrease offset value
0	1	Increase offset value
1	0	Correct
1	1	Correct

AGC

Set the pattern generator (e.g., PM5418) to a color bar video signal and connect the RF output to aerial input. Set amplitude to at least 1mV.
Alignment procedure:

1. Enter SAM mode, select TUNER and activate the AGC line in the sub menu.
2. Connect a DC multimeter to pin 1 of the tuner (item 1200 on LSP).
3. Adjust the AGC until the voltage at pin 1 of the Tuner is just below 3.8V.
4. Increase/decrease the value by pressing the “CURSOR LEFT/RIGHT” button on the RC transmitter.
5. Store by pushing “MENU/SELECT”.
6. Switch the set to “STANDBY”.

2ND AGC

Set the pattern generator (e.g., PM5418) to a color bar video signal and connect the RF output to aerial input. Set amplitude to at least 1mV.
Alignment procedure:

1. Enter SAM mode, select TUNER and activate the 2ND AGC line in the sub menu.
2. Connect a DC multimeter to pin 1 of the tuner (7201 on DW panel).
3. Adjust the 2ND AGC line until the voltage at pin 1 of the Tuner is just below 3.8V.
4. Increase/decrease the value by pressing the “CURSOR LEFT/RIGHT” button on the RC transmitter.
5. Store by pushing “MENU/SELECT”.
6. Switch the set to “STANDBY”.

Option Settings

Options are used to control the presence/absence of certain features and hardware. There are two ways to change the option settings (see also figure 8-6):

Changing a single option

An option can be selected with the “MENU UP/DOWN” keys and its setting can be changed with the “MENU LEFT/RIGHT” keys.
Changes in the option settings are saved by leaving the OPTION submenu. Some changes will only take effect after the set has been switched off by breaking the AC mains supply (cold start).

Changing multiple options by changing option byte values

Changing the option bytes directly makes it possible to set all options very fast. An option byte (OB1..8) can be selected with the “MENU UP/DOWN” keys and its setting can be changed with the “MENU LEFT/RIGHT” keys. An option byte represents a number of different options. All options of the N8 are controlled via 8 option bytes. Select the option byte (OB1..OB8) and key in the new value.

Changes in the option byte settings are saved by leaving the OPTION submenu. Some changes will only take effect after the set has been switched off by breaking the AC mains supply (cold start).

Option bits/bytes

An option byte value is calculated in the following way:
Value 'option bit 1' x 1 =
Value 'option bit 2' x 2 =
Value 'option bit 3' x 4 =
Value 'option bit 4' x 8 =
Value 'option bit 5' x 16 =
Value 'option bit 6' x 32 =
Value 'option bit 7' x 64 =
Value 'option bit 8' x 128 =
========================
Total: value 'option byte' =

Table: Option code settings

Model Number	OB1	OB2	OB3	OB4	OB5	OB6	OB7	OB8
27PT830H37C	254	123	222	94	0	0	0	0
32PT740H37A	254	123	223	94	0	0	0	0
32PT830H37A	254	123	223	94	0	0	0	0
32PT842H37A	254	127	250	251	32	0	0	0
36PT842H37D	254	127	250	251	32	0	0	0

Software version used: 2U1. Below are the option definitions for both type numbers.

Table: Option overview for type number 842

Byte	Bit	Abbr.	Feature	Description (OFF = 0, ON = 1)
OB1	1	IPIX	Incredible Picture	OFF = function disabled / ON= function enabled
OB1	2	CBFL	Comb filter	OFF = no comb filter on the SSB / ON = comb filter present on the SSB
OB1	3	AV3	External 3 (Side I/O)	OFF = side AV source not available / ON = available
OB1	4	SMCK	Smart clock	OFF = AUTOCHRON is not available / ON = available
OB1	5	E149	Picture setting for expand 14:9	OFF = not available in FORMAT menu / ON = available
OB1	6	C169	Picture setting for compress 16:9	OFF = not available in FORMAT menu / ON = available
OB1	7	CVI	External source selection for PiP	OFF = function disabled / ON= function enabled
OB1	8	SBNP	Auto standby with no picture	OFF = no switch to Stby / ON= switch to Stby after 10m when no ident
OB2	1	PIPF	PiP Functionality (excl. YPbPr decoding)	OFF = function disabled / ON= function enabled

OB2	2	PIPT	PiP Tuner	OFF = function disabled / ON= function enabled
OB2	3	PIPC	PiP Control (hue control)	OFF = function disabled / ON= function enabled
OB2	4	BLMU	BLue MUte	OFF = function disabled / ON= function enabled
OB2	5	SOSD	Smart OSD	OFF = full display of OSD not available / ON = available
OB2	6	PLST	Program LiST	OFF = access to command is ignored / ON = access is processed
OB2	7	VDBY	Virtual DolBY	OFF = Virtual Dolby not available / ON = Virtual Dolby is available
OB2	8	IPMU	Incredible Picture	OFF = INCR. PICT/CONSTRAST+ menu item is not available / ON = available
OB3	1	VCBK	VChip BlocK unrated	OFF = function disabled / ON= function enabled
OB3	2	SPKC	SPeaKer Control	OFF = function disabled / ON= function enabled
OB3	3	FUNN	Fine tUNiNg	OFF = function disabled / ON= function enabled
OB3	4	AAVL	Automatic Volume Level	OFF = menu item 'AVL' not available / ON = menu item available
OB3	5	TIME	TIMEr	OFF = function disabled / ON= function enabled

OB3	6	CCAP	Close Caption	OFF = function disabled / ON= function enabled
OB3	7	SURF	Surf	OFF = function disabled / ON= function enabled
OB3	8	VSLC	Vertical slicing	OFF = function disabled / ON= function enabled
OB4	1	PAGC	Picnic	OFF = function disabled / ON= function enabled
OB4	2	APC	Auto Picture Control	OFF = Time Window is set to 2s / ON = Time window is set to 5s
OB4	3	INCF	Selection color delay line	OFF = function disabled / ON= function enabled
OB4	4	AOUT	Audio OUT	OFF = function disabled / ON= function enabled
OB4	5	TMWIN	TiMe WINdow	OFF = Time Window is set to 2s / ON = Time window is set to 5s
OB4	6	ROTI	Picture ROTatIon	OFF = menu item 'ROTATION' not available / ON = available
OB4	7	BNUM	Bar NUMeric items	OFF = function disabled / ON= function enabled
OB4	8	VBNR	Vchip Block No Rating	OFF = function disabled / ON= function enabled

OB5	1	---	---	N/A
OB5	2	---	---	N/A
OB5	3	---	---	N/A
OB5	4	---	---	N/A
OB5	5	LTI	Luminance Transient Improvement	OFF = function disabled / ON= function enabled
OB5	6	AKBL	AKB Line	OFF = function disabled / ON= function enabled
OB5	7	CTSP	Centre SPeaker	OFF = function disabled / ON= function enabled
OB5	8	VSR	Vertical Scan Reference	OFF = function disabled / ON= function enabled
OB6	1..8	N/A	(RESERVED)	N/A
OB7	1..8	N/A	(RESERVED)	N/A
OB8	1..8	N/A	(RESERVED)	N/A

Table: Option overview for type number 830

Byte	**Bit**	**Abbr.**	**Feature**	**Description (OFF = 0, ON = 1)**
OB1	1	IPIX	Incredible Picture	OFF = function disabled / ON= function enabled
OB1	2	CBFL	Comb filter	OFF = no comb filter on the SSB / ON = comb filter present on the SSB
OB1	3	AV3	External 3 (Side I/O)	OFF = side AV source not available / ON = available

Byte	Bit	Abbr.	Feature	Description (OFF = 0, ON = 1)
OB1	4	SMCK	Smart clock	OFF = AUTOCHRON is not available / ON = available
OB1	5	E149	Picture setting for expand 14:9	OFF = not available in FORMAT menu / ON = available
OB1	6	C169	Picture setting for compress 16:9	OFF = not available in FORMAT menu / ON = available
OB1	7	CVI	External source selection for PiP	OFF = function disabled / ON= function enabled
OB1	8	SBNP	Auto standby with no picture	OFF = no switch to Stby / ON= switch to Stby after 10m when no ident
OB2	1	CCAP	Close Caption	OFF = function disabled / ON= function enabled
OB2	2	SURF	Surf	OFF = function disabled / ON= function enabled
OB2	3	VSLC	Vertical slicing	OFF = function disabled / ON= function enabled
OB2	4	BLMU	BLue MUte	OFF = function disabled / ON= function enabled
OB2	5	SOSD	Smart OSD	OFF = full display of OSD not available / ON = available
OB2	6	PLST	Program LiST	OFF = access to command is ignored / ON = access is processed

Byte	Bit	Abbr.	Feature	Description (OFF = 0, ON = 1)
OB2	7	VDBY	Virtual DolBY	OFF = Virtual Dolby not available / ON = Virtual Dolby is available
OB2	8	IPMU	Incredible Picture	OFF = INCR. PICT/CONSTRAST+ menu item is not available / ON = available
OB3	1	ROTI	Picture ROTatIon	OFF = menu item 'ROTATION' not available / ON = available
OB3	2	BNUM	Bar NUMeric items	OFF = function disabled / ON= function enabled
OB3	3	VBNR	Vchip Block No Rating	OFF = function disabled / ON= function enabled
OB3	4	VCBK	VChip BlocK unrated	OFF = function disabled / ON= function enabled
OB3	5	SPKC	SPeaKer Control	OFF = function disabled / ON= function enabled
OB3	6	FUNN	Fine tUNiNg	OFF = function disabled / ON= function enabled
OB3	7	AAVL	Automatic Volume Level	OFF = menu item 'AVL' not available / ON = menu item available
OB3	8	TIME	TIMEr	OFF = function disabled / ON= function enabled
OB4	1	---	---	---

Byte	Bit	Abbr.	Feature	Description (OFF = 0, ON = 1)
OB4	2	AKBL	AKB Line	OFF = function disabled / ON= function enabled
OB4	3	VSR	Vertical Scan Reference	OFF = function disabled / ON= function enabled
OB4	4	PAGC	Picnic	OFF = function disabled / ON= function enabled
OB4	5	APC	Auto Picture Control	OFF = Time Window is set to 2s / ON = Time window is set to 5s
OB4	6	INCF	Selection color delay line	OFF = function disabled / ON= function enabled
OB4	7	AOUT	Audio OUT	OFF = function disabled / ON= function enabled
OB4	8	TMWIN	TiMe WINdow	OFF = Time Window is set to 2s / ON = Time window is set to 5s
OB5	1..8	N/A	(RESERVED)	N/A
OB6	1..8	N/A	(RESERVED)	N/A
OB7	1..8	N/A	(RESERVED)	N/A
OB8	1..8	N/A	(RESERVED)	N/A

Circuit Descriptions and Abbreviation List

Index of this chapter:

1. Introduction.
2. Block diagram.
3. Power Supply.
4. Control and Teletext.
5. Tuner and IF.
6. Video: HD Jack Interface (AV4, 1080i/480p).
7. Video: High-end Input Processor (HIP).
8. Video: Feature Box (FBX).
9. Video: High-end Output Processor (HOP).
10. Video: 3D-Comb filter.
11. Synchronization.
12. Horizontal Deflection.
13. Vertical Deflection.
14. Audio.
15. CRT and SCAVEM.
16. Double Window (DW).

Introduction

The EM1.1U is a lower specified EMG-chassis. The global name of the set is EM1U. EM stands for Eco-MG, 1 for the used processor (Painter) and U stands for USA. It is similar to N8 chassis. Therefore in this chapter if N8 is mentioned, it is also applicable for EM1.1U.

The user interface and micro controller are the same as used in the H8 set. In the N8 however, a HIP, PICNIC, and HOP are used for the '100 Hz' function i.s.o. the BOCMA in the H8.
The HIP and HOP have about the same functionality as the BOCMA.
This chip set however, sees to it that line frequency and YUV-signals are doubled (2 fh), while the vertical frequency stay 60 Hz (1fh). The set runs in progressive scan (an interlaced picture at 60 Hz, in stead of at 30 Hz in normal NTSC)
The PICNIC is used for video features like AutoTV and Freeze.

The architecture consists of a conventional Large Signal Panel (LSP) a Picture In Picture (PIP) and a Small Signal Board (SSB) module, placed into a so-called SIMM-connector (Standard Interface, 80 pins).

The LSP is built up very conventional, with hardly any surface mounted components on the copper side. Difference with the MG3.1U-chassis is that the N8 LSP has a very large 'hot' part, including the deflection coil.

The SSB is a high tech module (two sides reflow technology, full SMC) with very high component density and complete shielding for EMC-reasons. Despite this, it is designed in such a way, that repair on component level will be possible. To achieve this, attention has been paid to:

- the position of service test lands (tuner side),
- accessibility (tuner side),
- clearance around surface mounted ICs (for replacing),
- diagnostics and fault finding via ComPair.

Warning: Be aware that half of the LSP-circuitry is 'hot', including the deflection coils.

Note: The start-up behavior of the N8 is different than that of the MG-chassis, meaning that the 'Supply ON/Deflection OFF' situation does not exist. This means that isolating failures in the N8 must be done in a different way. See Chapter 5 of this manual.

For a good understanding of the following circuit descriptions, please use the Block Diagram LSP Supply and Deflection, Block Diagram Video + PIP, Block Diagram Video no PIP, Block Diagram Audio, I2C Overview, Supply Lines Overview and Test points Overview (LSP, SSB and CRT Panel) and Wiring Diagram. Where necessary, you will find a separate drawing for clarification.

Block Diagram

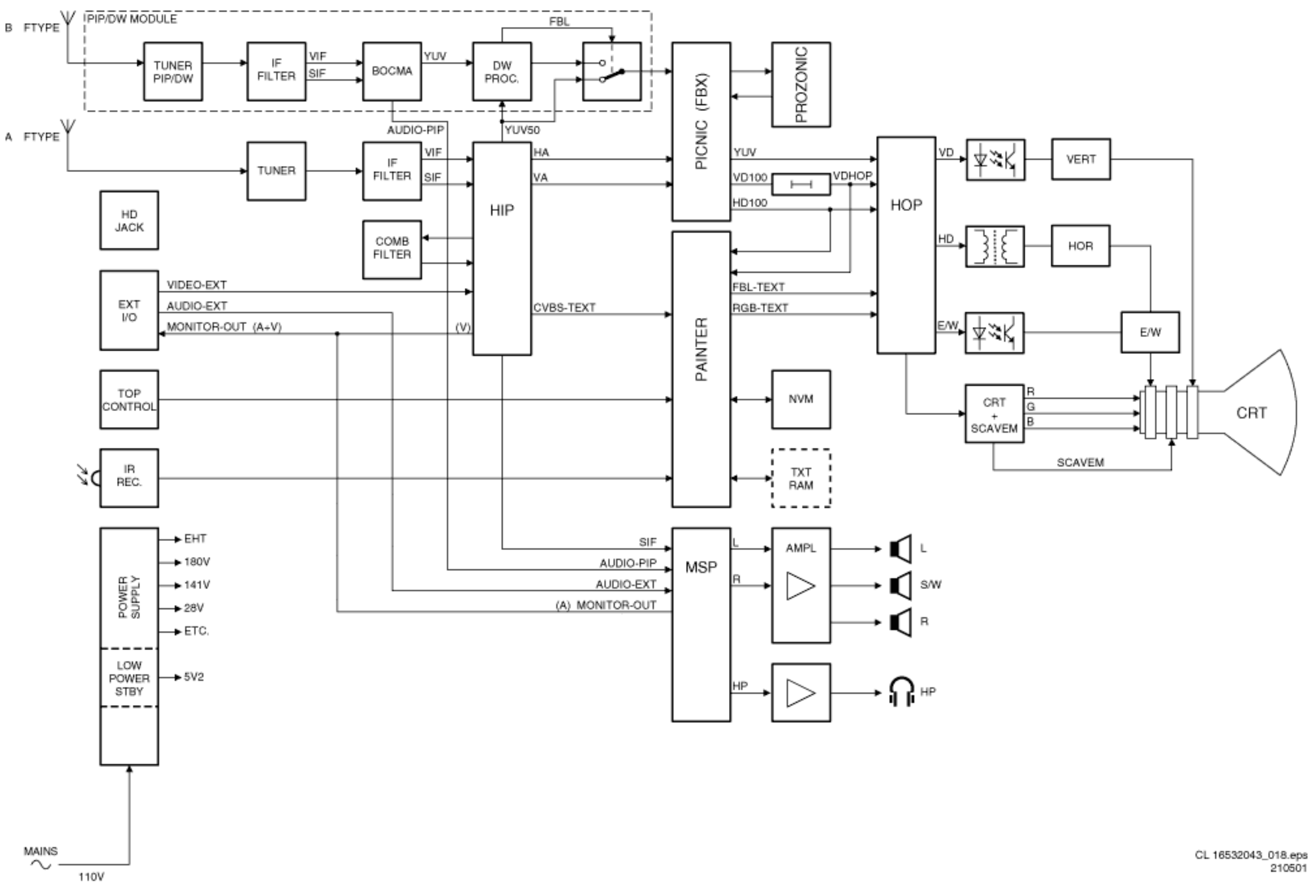


Figure: Block diagram

The tuner type is a PLL tuner and delivers the IF-signal, via audio and video SAW-filters, to the HIP (High-end Input Processor). The HIP has the following functions:

- IF modulation.
- Video source - and record select.
- Color decoder.
- Synchronization.

Five video in/output connections (with audio connections) are available:

1. Front: interfaces CVBS
2. AV1: interfaces CVBS and YUV-input (1fH)
3. AV2: interfaces CVBS and Y/C (meant for VCR-connection)
4. AV4: interfaces YPbPr/RGB (HD) inputs (2fH).
5. Monitor out: interfaces CVBS out

The HIP delivers the signal to the PICNIC.
This IC takes care of:

- Analogue to Digital conversion and vice versa.
- 60 Hz interlaced to 60 Hz progressive scan conversion.
- Panorama mode.
- Noise reduction.
- Dynamic contrast.

For Digital Scan the PROZONIC is required, which can be connected to the PICNIC.

After the PICNIC the (now 100 Hz) YUV- and H/V-signals are fed to the HOP (High-end Output Processor). This IC handles the video control and geometry part. The RGB-

signals from CC/OSD are also inserted via the HOP. The video part delivers the RGB signals to the CRT-panel and the geometry part delivers the H-drive, V-drive, and a drive-signal for rotation (as a variable DC-level on the V-drive signal).

Both deflection circuits are 'hot' and located on the LSP and are driven by the HOP. To make the galvanic separation, the line drive is driven via transformer 5410 and the frame drive via optocoupler 7610.The horizontal output stage generates some supply voltages, the EHT-, focus- and Vg2-voltages.

The RGB amplifiers on the CRT-panel are integrated in one IC and are supplied with 180V from the LOT.
The SCAVEM circuit modulates transitions of the Luminance (Y) signal on the horizontal deflection current, giving a sharper picture.

The sound part is built around the MSP345X (Multichannel Sound Processor) for IF sound detection, sound control and source selection. Amplification is done via an integrated power amplifier IC, the TDA2616.

The microprocessor, called Painter (OSD, Closed Captioning, and Control) takes care of the analogue CC input- and output processing. The Painter processor and SRAM are supplied with 3.3 V, which is derived from the +5VSTANDBY.
The NVM (Non Volatile Memory) is used to store the settings; the Painter is an OTP (One Time Programmable) chip with programmed ROM-code.

In the N8 there is a separate Standby Supply in order to reduce the Standby power consumption. During Standby, the Main Supply is switched off (via TS7529). A relay is used to switch the Degaussing circuit.
The Main Supply, a SOPS supply based on the 'down-converter' principle, generates the 141 V (VBAT) and the 28 V for the audio part.

The difference between this and former MG-sets is that VBAT is not mains isolated ('hot') and is alignment free.

Power Supply (Diagram A1 and A2)

General

The power supply has a number of main functions. These functions are dealt with in succession:

- Mains filter
- Voltage doubling circuitry
- Degaussing picture tube
- Standby power supply
- Main supply

Mains Filter (Diagram A1)

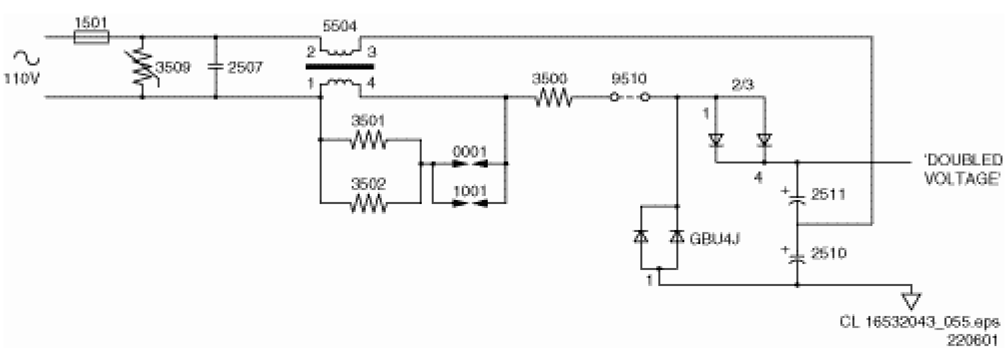


Figure: Mains Filter

The mains filter has two functions: it prevents high-frequency signals to be transferred into the mains and it protects the set from lightning damage.

C2507 prevents the high-frequency signals, generated by the set, to be conveyed into the mains by short-circuiting them.

In the case of a lightning surge between the two phases (differential mode), the energy is immediately bled away through the VDR (R3509) to the other phase.
In case of a lightning surge on both phases of the mains in relation to the aerial earth, the mains filter acts as a high resistance (UEMK=L * dI/dt) as a result of which the voltage across coil L5504 increases. A spark gap (0001/1001) prevents the voltage from increasing too much, which would lead to a damaged coil. When ignited, the current will be discharged via this spark gap.
The two networks using R3503//0002 and R3502//0003 are also used for lightning protection. They lead the energy of a common-mode lightning surge from the 'cold' to the 'hot' side in case of insertion on the aerial or from the 'hot' to the 'cold' side in case of insertion via the mains-input.
Resistor R3500 is used for limiting the inrush-current.

Voltage Doubling Circuitry (Diagram A1)

Via diode bridge cell 6513 and capacitors 2510 and 2511, the AC power voltage is rectified two times. The sum of voltages over 2510 and 2511 is supplied to the main-supply circuitry.

Degaussing (Diagram A1)

After switching 'ON' the set with the 'POWER ON'-switch, the DEGAUSS_INPUT signal from the processor (Painter) will be made high, transistor 7528 will conduct and relay 1002 will be activated. Initially a considerable current will flow, via PTC 3532, through the degaussing coil. The PTC will heat up, resistance will rise, and the current will decay rapidly. The Painter will switch off the relay after 12 seconds.

Standby Power Supply (Diagram A2)

This power supply is of a SOPS type (Self-Oscillating Power Supply) and is regulated by the controlled switching of an oscillator. It uses the so-called 'Flyback' principle:

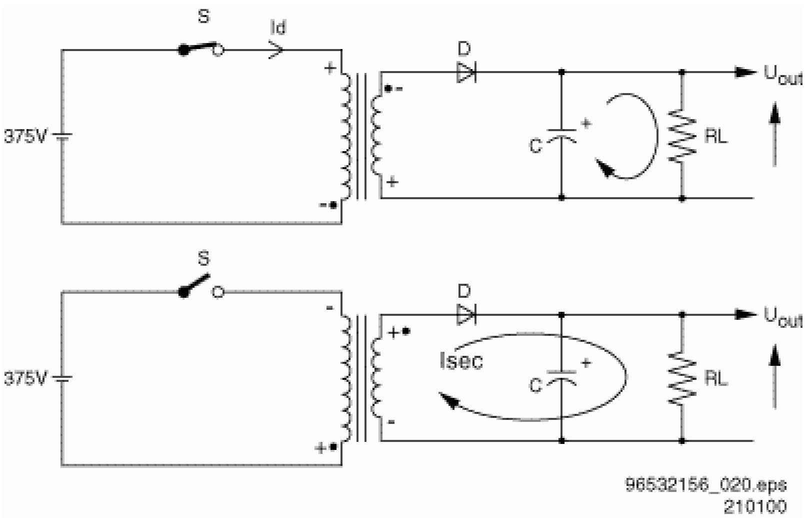


Figure: Flyback principle

- After closing switch 'S', the current ID will increase linearly in time. The magnetic energy in the primary coil is directly proportional with the self-inductance of the coil and current ID (thus with time the switch is closed). The voltage polarity at the secondary winding is negative (due to different winding direction), meaning that diode D will block. Capacitor C will discharge via RL, and UOUT will decrease.
- Opening switch 'S' will generate a counter-e.m.f. in the primary winding, trying to maintain current ID. Through this, the polarity of the secondary voltage will invert. The magnetic energy, stored in the coil, will now be transformed to the secondary side. Diode D will now conduct, capacitor C will be charged and UOUT will increase.

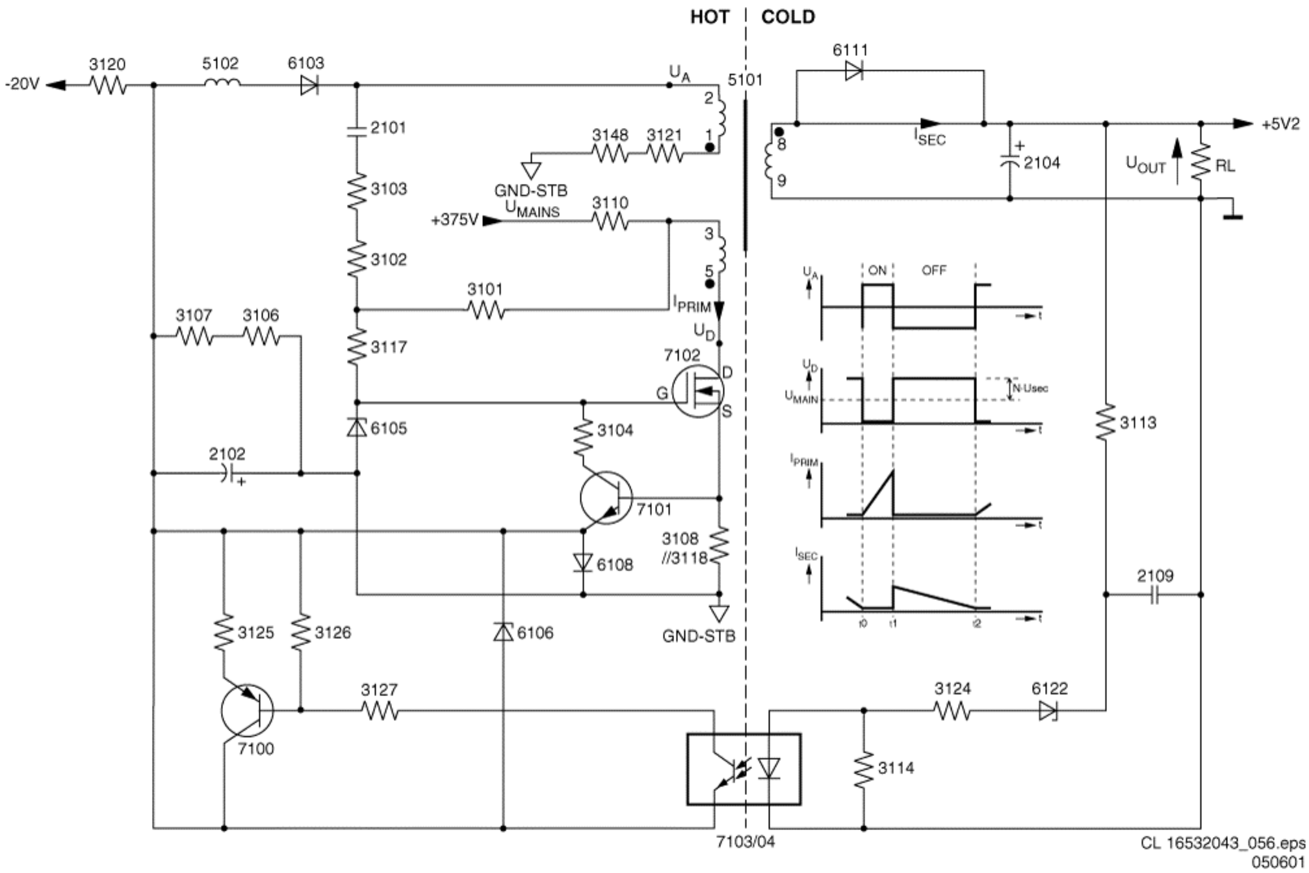


Figure: Standby supply circuitry

To apply this on the N8 (diagram A2): replace switch 'S' by FET TS7102, coil L by L5101, diode D by D6111 and C by C2104.

Time interval t0 - t1:

After switching the set on, the gate of MOSFET TS7102 will be high (max. 15V due to zener diode D6105). This will drive the FET into saturation (UDS = 0V). The DC-voltage UMAINS will be transposed across the primary winding of L5101 (Pins 3 & 5) resulting in a linearly increasing current through this coil.

The voltage across the co-coupled coil (Pins 1 & 2) is also positive and will keep the FET into conductivity via C2101, R3103, R3105, R3102 and R3117 for some time. The slope of the primary current is determined by the self-induction of the coil and on the magnitude of the supply voltage (+375 V).

The maximum current is determined by the time the FET stays into conductance (t0 - t1). This time is directly determined by the voltage across R3108//R3118. This voltage is a measure of the current and if it exceeds 1.4 V, TS7101 will be driven into conductivity and consequently connect the gate of TS7102 to ground; the FET will block.
The voltage across the secondary winding (Pins 8 & 9) will be negative, diode D6111 will block.

Time interval t1 - t2:
The sudden current interruption in the primary coil will induce a counter-e.m.f. trying to maintain the current. The voltage on the drain of the FET will increase. The secondary voltage (8, 9) will become positive and will charge C2104 via D6111. All energy that was stored in L5101 during t0 - t1 will be transferred into the load. Due to the transformer principle, a voltage will now be induced in the primary winding (3, 5) and the co-coupled winding (1, 2). This voltage will be: N * USEC (N = winding ratio).
The voltage across the co-coupled coil will be negative, keeping the FET blocked.

Time t2:
At t2, the current through the secondary coil will be reduced to zero, as C2104 is no longer charged. Therefore, the voltages will decay and will change polarity. The gate of the FET will be again made positive, is driven into conductivity and the cycle starts again.

Feedback, stabilization:

The Standby Power Supply always oscillates at maximum power; the only limiting factor is the maximum primary current that has been pre-set with R3108//3118//R3119
UOUT is determined by R3114, R3124, and zener diode D6122. If the voltage across R3114 exceeds the threshold voltage of the diode of the optocoupler 7104 (±1 V) or, in other words, UOUT exceeds 5.2 V the transistor of the optocoupler will conduct.

Transistor TS7100 will be driven and a negative voltage will be transposed to the emitter of TS7101. When TS7101 conducts, the gate of the FET is at earth potential, forcing the oscillator to stop. Due to the load, the secondary voltage UOUT will decrease. At a certain voltage, optocoupler TS7104 will block and the oscillator will start again.

Since there are no capacitors and there is a high amplification-factor in the feedback circuit, the feedback is ultra-fast. This is why the ripple on UOUT is minimal. The negative supply voltage (-20 V) used in the feedback circuit originates from the co-coupling coil and is rectified through D6103.

Stabilization is not effected through duty-cycle control but through burst-mode of TS7100.

Burst-mode is load dependent. If the power supply is less loaded, the secondary voltage will have the tendency to increase more rapidly. If the load on the power supply increases, then the oscillator stops less often, right up to the moment that the oscillator is operating continuously: maximum load. If the power supply is now loaded even more, the output voltage will decay. The maximum load is determined by the maximum primary current set by R3108//3118//3119.

Protection:

If the optocoupler would fail, the secondary voltage will increase. This would have disastrous consequences since many ICs (e.g. Painter, flash-RAM, DRAM) are fed with this 5.2 V. In other words; very expensive repairs would be required.

We already know that the negative supply is directly dependent upon the secondary 5.2 V because of which the negative supply will increase proportionally as the secondary voltage increases.

If the negative supply in the mean time reaches -30 V, D6106 will start to zener and therefore TS7101 will start conducting. D6106 will take over the stabilization task of the optocoupler, however, with a considerable spread: from -20V to -30V is a 50% increase, thus UOUT will increase from 5.2V to max. 7.5V.

Main Supply (Diagram A1)

Some important notes on beforehand:

- **VBAT is not isolated from the main supply ('hot').**
- **VBAT is alignment free.**

The Main Power Supply generates the 141 V (VBAT) and the 28 V for the audio part, and is based on the so-called 'down converter' principle.

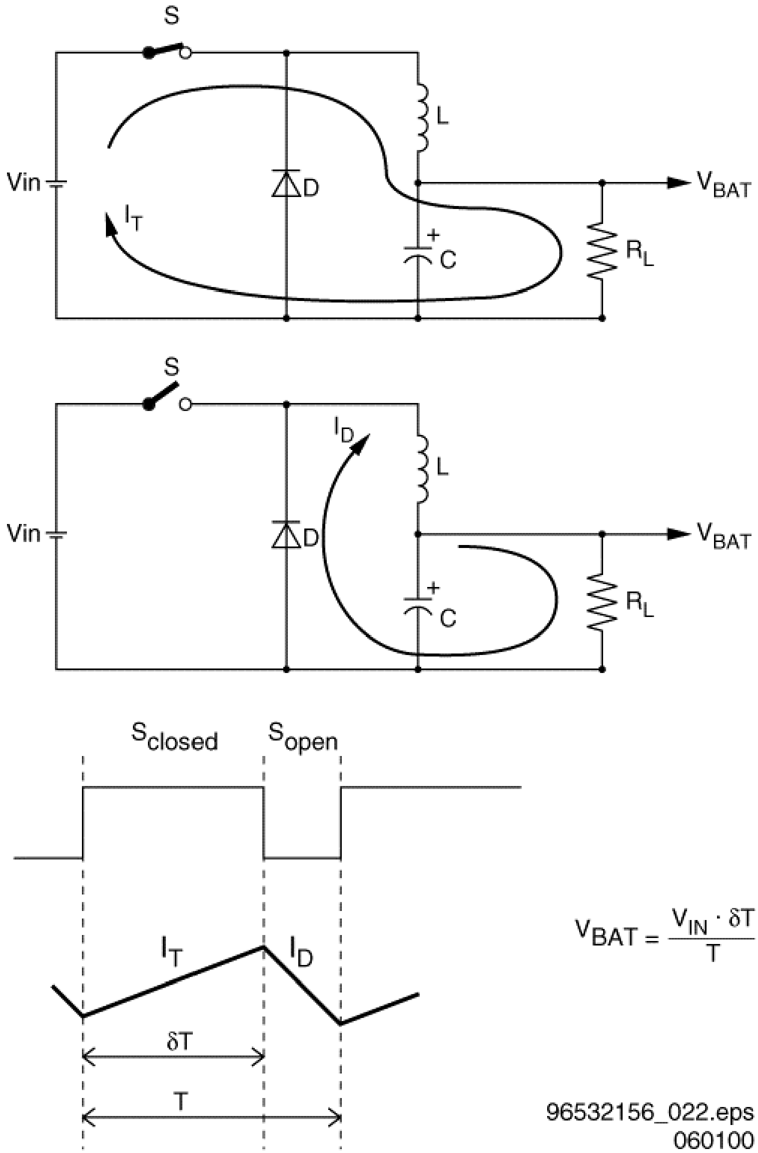


Figure: Down-converter principle

- After closing switch 'S', the linear in time increasing current IT, , will charge capacitor C.
- Opening switch 'S' will generate a counter-e.m.f. in coil L, trying to maintain current IT. This is possible via diode D (this diode is also called 'freewheel diode'). So after opening 'S', the magnetic energy stored in coil L will be transferred to electrostatic energy in capacitor C. The VIN will only supply current during the time that 'S' is closed while a constant current is flowing through RL.
- VBAT is directly proportional with VIN and the time that 'S' is closed and reverse proportional with period time 'T'. Therefore, by changing the duty cycle, it will be possible to control VBAT.

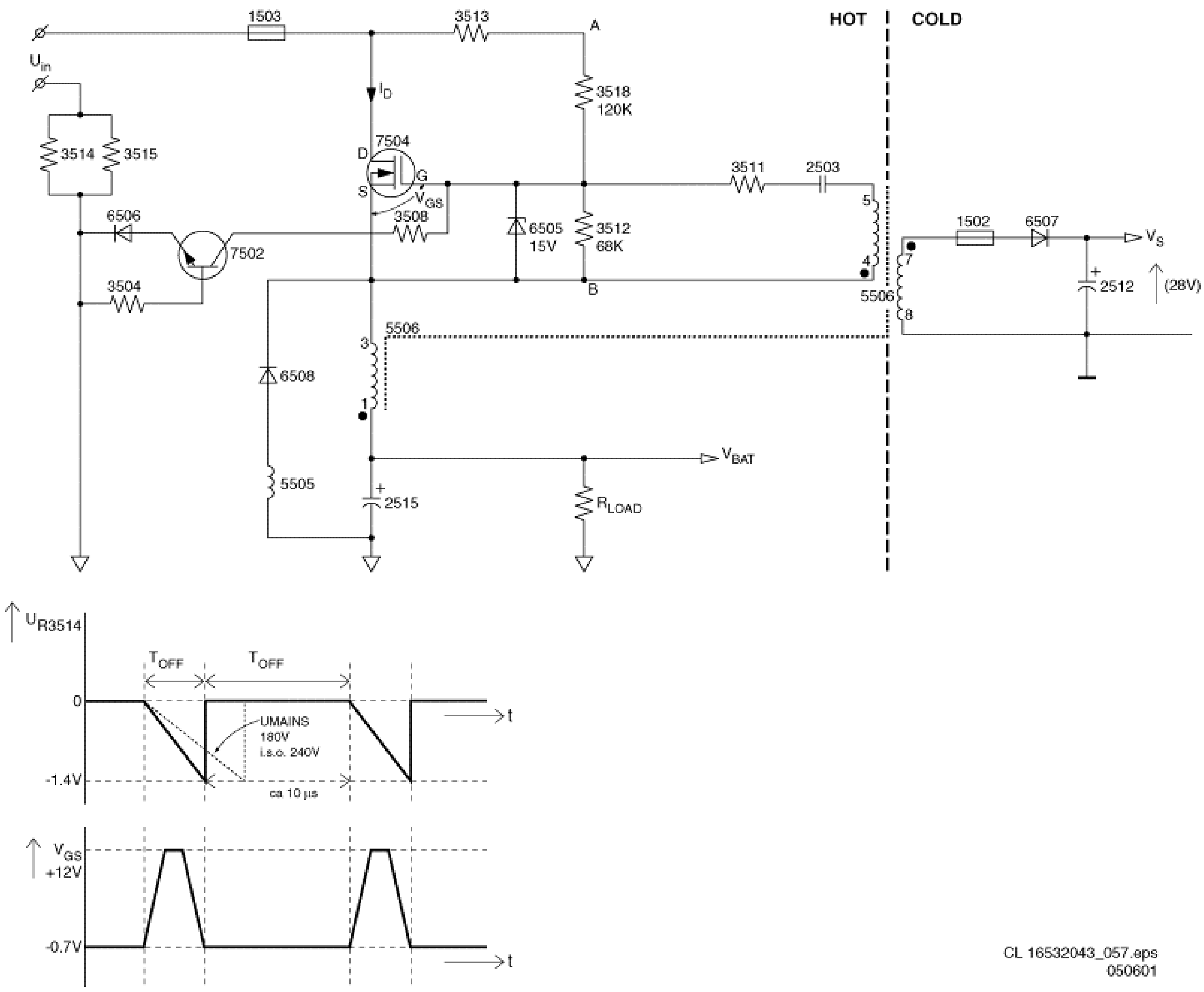


Figure: Main supply circuitry

At start-up of the main supply, C2515 can be assumed as being a short-circuit. UAB will be 15 V (R3513, D6510) and UGS of the FET will be +5.4 V (voltage division over R3512 and R3518). The FET will be driven into saturation (same as closing switch 'S'). The drain-current will increase linear in time. With other words: resistors R3513 and R3518 will start the oscillator.
The voltage across the co-coupled coil (4, 5) is also positive and will keep the FET into conductivity.

The drain-current will also flow through R3514//R3515. The voltage on the base of TS7502 will be +0.8 V due to the stabilization circuit (which is explained further). At increasing current, the emitter-voltage of TS7502 will get more negative. When this voltage reaches -0.7 V, TS7502 will be driven into conductivity and consequently connect the gate of TS7504 to earth; the FET will block (same as opening switch 'S'). The maximum drain-current is 0.7 V/ (R3514//R3515)= 1.6 A.
The voltage polarities on L5506 will invert, keeping the gate of TS7504 negative via the co-coupled coil (4, 5). The voltage on the secondary winding of L5506 (7, 8) will be positive, generating the +28 V audio supply voltage via D6507 and C2512.

The sudden current interruption in the primary coil will induce a counter-e.m.f. that wants to maintain the current via the 'freewheel' diode D6508. This current is linear decreasing in time and as it is also flowing through R3414//R3415, TS7502 will be blocked after a certain period. The gate of the FET will be again made positive, is driven into conductivity and the cycle starts again.

Stabilization of VBAT:

The output voltage VBAT will be determined by: VBAT = VIN * TON/(TON + TOFF) = VIN * duty-cycle.
To stabilize the output voltage, a feedback loop is implemented, which will reduce TON when VBAT increases and vice versa.

Via a voltage divider, existing of (1 %) resistors R3507, R3510 and R3527, a voltage of 2.5 V (when VBAT = 141 V) is fed to the input of precision shunt regulator 7506. This regulator will conduct, a current will flow through R3524, and TS7505 will be driven into conductivity. The base of TS7502 will now be set at a certain positive voltage. As this transistor switches the FET TS7504 on and off, this circuit can determine the duty-cycle.

E.g. when the load increases, VBAT will decrease. Consequently, the input-voltage of regulator 7506 will decrease, resulting in a lower current. Through that, the emitter-base voltage of TS7505 will diminish.
The current through R3504 will decline, changing the base-voltage of TS7502 and through that the TON (will increase) of the FET. The output voltage VBAT will rise.
If the load continues to increase, the regulator will block at a certain moment, the collector-current of TS7505 will now be zero. If no current flows through R3504, TON will now be maximum (IMAX = 1.6 A). This is the point where VBAT will be below 141 V, and at further increasing load will be switched off (The voltage across the co-coupled coil (4, 5) will decrease due to the increasing load. Therefore, the voltage on the gate of TS7504 comes below the threshold voltage. The supply switches off and an audible hiccupping can be heard).

On the other hand when the load decreases, VBAT will rise. Consequently, the input-voltage of 7506 will also rise resulting in a higher current. The current through R3504 will rise, changing the base-voltage of TS7502 and through that the TON (will decrease) of the FET. The output voltage VBAT will be reduced.

If, for instance, VIN will decrease (e.g. UMAINS is 180 V i.s.o. 240 V), the slope of the drain-current will be flattened, through which the FET will be longer into conductance, keeping VOUT constant.

If, for any reason, the stabilization circuit fails, the output voltage VBAT can never exceed 200 V (via D6514). D6514 will form a short-circuit, VBAT will drop and the set will switch off (this will result in an audible hiccupping of the supply).

Set to 'POWER OFF' (via RC):

When the set is switched to 'POWER OFF' via the Remote Control, the Main supply will be switched off.
This is done by the circuit around TS7529 (see diagram A1):
During 'ON'-state the Main supply is fed with line pulses via the STANDBY-line. They are rectified and smoothed via D6517, D6516, and C2530 and fed to TS7529. Because they are less than -20 V, this transistor will be blocked.
When these pulses are stopped (via command micro controller to HOP), TS7529 will be saturated and TS7502 will be switched off. This will switch off the Main supply.

Set to 'POWER ON' (via 'POWER' button of set):

When the set is switched 'ON', the HOP is not working (as much as possible ICs are made voltage-less during Standby mode. Therefore, it is impossible that the STANDBY-line carries line-pulses, so the main supply cannot start up. This problem is solved via the 'low power start-up' possibility of the HOP.
Via pin 22, the HOP receives, via the STANDBY_INFO line from the Painter, a voltage of 5.2V coming from the Standby supply. The result will be that the HOP will generate pulses with a nominal TOFF and TON growing from 0 to 30% of the nominal value.
This signal is unchanged until the Main supply is switched 'ON' and the HOP the correct I2C-command POR-bit) has received.

Guarding circuit:

The 11V of the line-stage is monitored.
The +28V winding (pin 6) of supply-transformer 5506 is monitored. (These pulses, when switching off the set, exist longer than the 11V-level)

When switching off the set by the 'POWER'-switch, the 11V will decrease and will generate a positive STAND-BY (POR) pulse.
At that moment the RGB-outputs will be driven such that the EHT-capacitor is heavily loaded in order to have a nice switch off spot. Therefore, when the set is 'on', T7510 is always conducting.
The switch off spot is nicer then without extra sensing of +28 V winding.

The STAND-BY (POR) signal drives via R3545 a positive pulse back to the Painter-processor. The Painter will switch off the Main Supply via the HOP IC. It will put the HOP in HOP-standby, stopping the drive pulses. The main supply will be switched off. (See diagram B4)

SSB

There are three voltages used for the SSB: +8 V, +5.2 V and +5 V.
+5.2 V is the Standby voltage; it should always be present. The 8V is derived from the 11D V with stabilizer 7906 (on LSP). This 11D voltage is only present when the line-drive pulses start the deflection.
The 8V is used to switch the +5.2 V with transistor 7905 to supply the +5 V.

Control and Closed Captioning (diagram B7)

Painter

The SAA5677/M1 (IC7001) is called the Painter (OSD, CC and Control). In this IC, the microprocessor and the Closed Captioning-decoder are integrated.
Some of its functions are:

- Set control.
- CC/OSD acquisition.
- RGB-outputs to the HOP
- I/O-ports for I2C, RC5, LED, and service modes.
- Error code generation.

The software for N8 can be 192kB.
The Non Volatile Memory IC7011 is a 4kB version M24C32.

All ICs in this part are supplied with 3V3. For this voltage, a 3V3 stabilizer is used (IC7005).
When the 3.3 V is available, a POR is generated with TS7003/7004 to wake up the Painter. During the reset, all I/O pins are high. When a POR is generated, the TV-set is in Standby mode.

The HS-signal derived of HFB and VS-signal derived of Vsync are fed to the Painter for stable OSD and CC.

Closed Captioning

The painter deals with CC-decoding. The Painter gets its video signal directly on pin 31 (from the HIP).
The RGB-outputs are available on pins 46/47/48. Fast blanking is realized via pen 52.

I 2 C

In the N8-chassis with Painter-processor there are two I2C-busses used:

- Slow (max. 100 kHz) hardware I2C-bus (called I2C1) used for all IC communication.
- Separate short bus (called I2C 3) for the Non Volatile Memory (NVM) to avoid data corruption.

NVM

The Non Volatile Memory contains all set related data that must be kept permanently, such as:

- Software identification.
- Operational hours.
- Error-codes.
- Option codes.
- All factory alignments.
- Last Status items for the customer + a complete factory recall.

Tuner and IF (Diagram A7 and B2)

The tuner is I2C-controlled and is capable of receiving off-air and cable channels:
The tuning is done via I2C. The reference voltage on pin 9 is 33 V. This voltage is derived from the 180 V (from the LOT) via two resistors of 2.2k ohm (diagram F). The Painter together with the HIP controls the tuning procedure.

The IF-filter is integrated in a SAW (Surface Acoustic Wave) filter. Two SAW filters are used: One for filtering picture-IF and one for filtering sound-IF.

The output of the tuner is controlled via an IF-amplifier with AGC-control. This is a voltage feedback from pin 62 of the HIP to pin 1 of the tuner. AGC take-over point is adjusted via the service alignment mode 'Tuner AGC'. Too much noise in the picture could be caused from an incorrect AGC setting. There could also be a misalignment of the AGC-setting if the picture deforms with perfect signal. The IF-amplifier amplifies too much.

The video IF-signal is fed to pins 2 and 3 of the PLL-controlled IF-demodulator. The voltage controlled oscillator of the PLL is adjusted via the service menu 'IF PLL'.
The external coil L5408 connected between pins 7 and 8 is used as reference. The demodulated IF-video signal is available at pin 10 of the HIP.
On pin 10 the CVBS-signal becomes available, via TS7321 the signal is supplied the PIP-module.
Via the PIP-module, it comes back.
In this video signal, the sound carrier part is filtered by the sound trap 1407. Via TS7322 the signal goes back into the HIP (pin 14) to the I/O selection.

To realize quasi split sound, the IF-signal is fed to the HIP on pin 63 and 64 via SAW-filter 1408. The FM-modulated signal is available on emitter of 7410 and is fed to the audio demodulator MSP345x.

Video: HD Jack Interface (Diagram N)

The Jack High Definition module covers the following functions:

1. RGB output selection.
2. Matrix circuit to convert YPbPr to RGB.
3. Sync slicer for YPbPr sync on Y, RGB sync on Green.
4. Sync selection.
5. Control Function.
6. Audio feed-through of signal source.

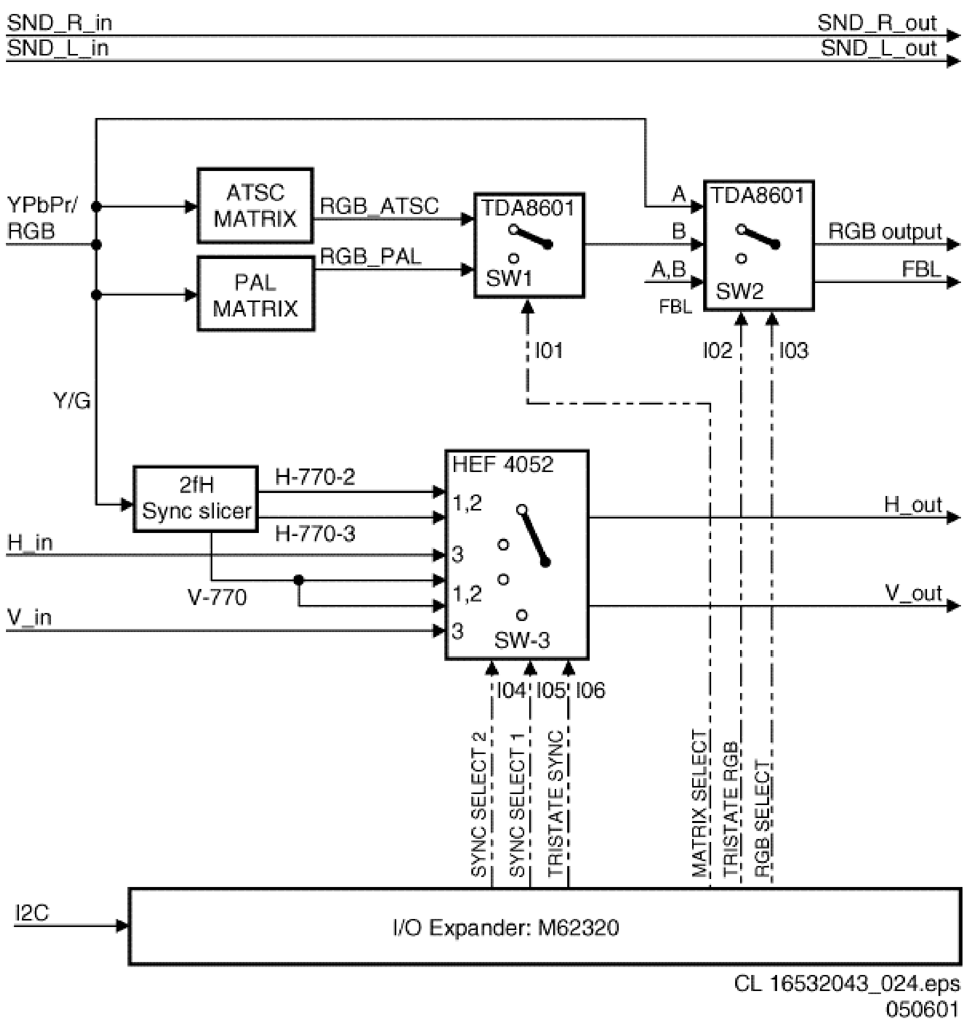


Figure: Source select

RGB Output Selection

The module has two video inputs and one RGB output (going into the set.)
The inputs can also handle 1080i-signals and 480p-signals (both in RGB format and YPbPr format.)
(This selection circuitry is also needed to cope with the various formats of the non-standardized HD set top box business.)

Video-input (3 cinches, reference number 1993-A-B-C):

- YPbPr with sync on Y.
- RGB with sync on green (note: cinch-inputs are normally used for YPbPr input.)

Video-input (D-sub, reference number 1990):

- YPbPr with sync on Y (note: D-sub input is normally used for RGB-inputs only.)
- RGB with sync on Green.
- RGB with separate H and V Sync (called VGA in 480p.)

RGB output:
This RGB output of the board is signaled into the set (HOP-section of SSB [B4].)

Matrix

The YPbPr-signal format is converted to RGB via the matrix function. In 480p-format, the PAL matrix is used, otherwise the ATSC matrix is used.

The matrix choice is made with TDA8601 (SW1, 7107.)
This switch is controlled via the command IO-1 (called MATRIX SELECT in the figure.)

Sync Slicer

The sync slicer extracts the horizontal and vertical synchronization signals for the HOP (in the set):

- From the 3-level sync pulses Y of the 1080i YPbPr
- From the 3-level sync pulses Green of the 1080i RGB
- From the normal sync pulses of the 480p signal

Explanation of 3-level sync shown in picture:

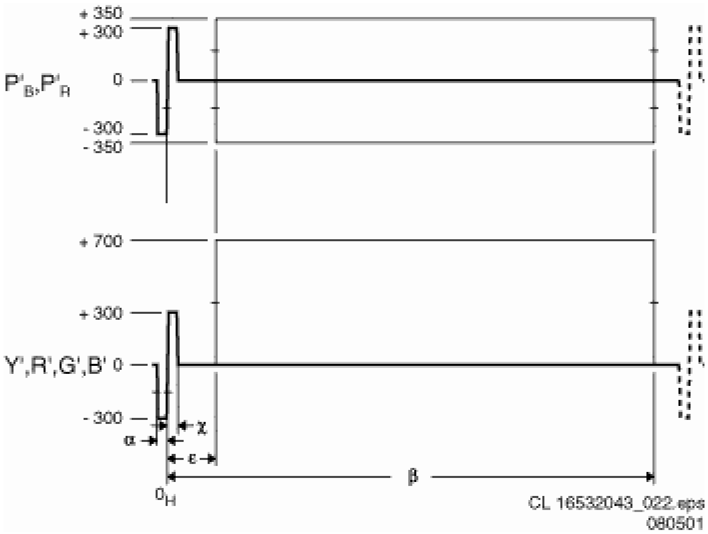


Figure: 3 level sync

Example of a 2-level sync pulse: CVBS-signal with two levels of sync (-300 mV, 0 mV)
Example of a 3-level sync pulse: ATSC-signal with three levels of sync (-300 mV, 0 mV, +300 mV)
The amplitudes of the Y, R, G, B signals are 700mV; amplitudes of the Pb and Pr signals are 350mV.

Sync Selection

If the synchronization is derived from Y or Green, the H and V sync from the sync-slicer must be selected.

- When YPbPr-signal or RGB-signal is 480p-format: sync signals will be V-770 and H-770-2 sync.
- When YPbPr-signal or RGB-signal is 1080i-format: sync signals will be V-770 and H-770-3 sync.

When the sync is separate (H and V), the sync of the source must be selected.
The IO-4, IO-5 control-lines select the sync-inputs of the HEF4052 (7102.)
In our figure, these control-lines are named SYNC SELECT 2 and SYNC SELECT 1.
Via IO-6 line (called TRISTATE SYNC), the sync output can be put in tri-state.

Control Function

The different selections are made by the I/O expander, controlled by I2C.
These selections can be made with the user interface.

Audio

Audio left and audio right are connected via the two cinches and passed through the module.

Video: High-end Input Processor (HIP, diagram B2)

In the N8 the TDA932xH input processor is used, which contains the following functions:

- IF demodulation.
- AFC signal generation, used to track drifting transmitters.
- Sound carrier re-generation (SIF).
- Sync acquisition, delivering HA and VA.
- Switching off IF-filtering.

The HIP has various inputs.

- Full matrix switch with:
  - 2 CVBS inputs
  - 2 Y/C (or additional CVBS) inputs
  - 1 CVBS front end input
- Two RGB and 1 YUV-input

Outputs: Three separate switchable outputs can be used:

- 1 YUV-output is fed to the PICNIC
- 2 CVBS outputs: One for CC-decoding (named CVBS-TXT) and the other for output to MONITOR OUT to have WYSIWYR (What you see is what you record)

The input signals from the Front I/O are fed to the HIP and front detection is fed to the Painter.
AV1 is a CVBS- and a YUV input (e.g. for DVD), while AV2 is meant for CVBS and Y/C (SVHS). The third option is a MONITOR OUT-output.

Video Processing

The sandcastle-pulse of the HIP will not be used for synchronization. The HOP will generate synchronization signal derived from the feature box (PICNIC) signals. The HIP itself (no external voltage) controls the Y/C switch in the HIP.
The Chrominance decoder in the HIP is full multi-standard, but only NTSC is decoded. One crystal is connected to the pin 57 without any alignment. The crystal is also used as a reference for the synchronization. A digital control circuit that is locked to the reference signal of the color decoder determines the start-up of the sync. This crystal may only be replaced by the original one. If just a crystal is taken, the internal capacitance will be different and the effect will be that there is no color.
In the HIP, a sync separation circuit has been integrated. The HIP delivers the HA and VA (50/60 Hz) to the PICNIC and PIP/DW module. On pin 59, there is the 1fH sandcastle but this is not connected to any circuit and only used internally for the color demodulator. The 2fH-sandcastle signal is generated by the HOP.

Video: Feature Box (PICNIC, diagram B3)

Introduction

The basic function of the Feature box (FBX6) is picture improvement, and depending on the version several scan conversion methods can be applied. The PICNIC is the key component.
In the N8-chassis, the feature box is integrated on the SSB. The PICNIC is used for the 60 Hz (prog. Scan) conversion. In the PICNIC, the following functions are present:

- The ADC.
- The DAC.
- The interlaced to progressive scan conversion.
- The noise limiter (DNR).
- The contrast improvement.

All these functions are integrated in one IC: SAA4978H, a 160 pin QFP.

ADC/DAC

Analogue to Digital conversion is done with three identical 9-bit ADC's.
Digital to Analogue conversion uses three identical 10-bit DACs.
In the PICNIC there are three 9 bits ADCs present for Y, U and V. For digitizing the Y (luminance) 9 bits are used, to realize a more detailed picture. The nine bits are only used internally. Via dithering, the nine bits are reduced to eight bits and that data is stored in memory. The data in memory is fed back to the PICNIC and via un-dithering the data is again reproduced in nine bits for processing.
U/V (color difference signals) is also sampled with nine bits. These two nine bit data streams are multiplexed to four bit data streams. This reduction can be allowed, as the perception for colors by the human eye is less sensitive as for luminance.

Interlaced to Progressive Scan Conversion

The main task of the PICNIC is the conversion from interlaced 60 Hz to progressive scan 60 Hz for YUV and HV-sync. In order to remove 'large area flicker' (especially visible in a white picture), the field-rate of the video is doubled by the FBX6. The line frequency (16 kHz) is doubled (32 kHz). When the video input contains fields A, B etc, the conversion provides an AABB sequence on the display. The actual conversion is done in the first Field Memory by reading it twice at double speed, while writing it once.

Automatic Aspect Ratio Adaptation (AARA)

This feature uses data from the 'black bar detection circuit' to adapt the vertical and horizontal amplitude to an aspect ratio belonging to the display without showing the black bars.

CTI

At CVBS video signals, the bandwidth of color signals is limited to 1/4 of the luminance bandwidth. Transients between areas of different color are therefore not very sharp. The PICNIC can increase these transients artificially with a time manipulation algorithm.

Dynamic Contrast

To make the contrast (black/white) range wider, Philips has invented Dynamic Contrast. It uses the digital memory used in digital scan sets. It measures every A-field (25 x/s) and digitally analyses where on the grayscale most of the image is located. If it is a relatively dark image, the lighter part of that image is stretched towards white, so that more contrast will become visible in that picture. If it is a relatively light image, the darker part of that image is stretched towards black, so that these darker parts will have more contrast. When the image is in the middle of the grayscale, both dark and light parts are stretched.

PROZONIC

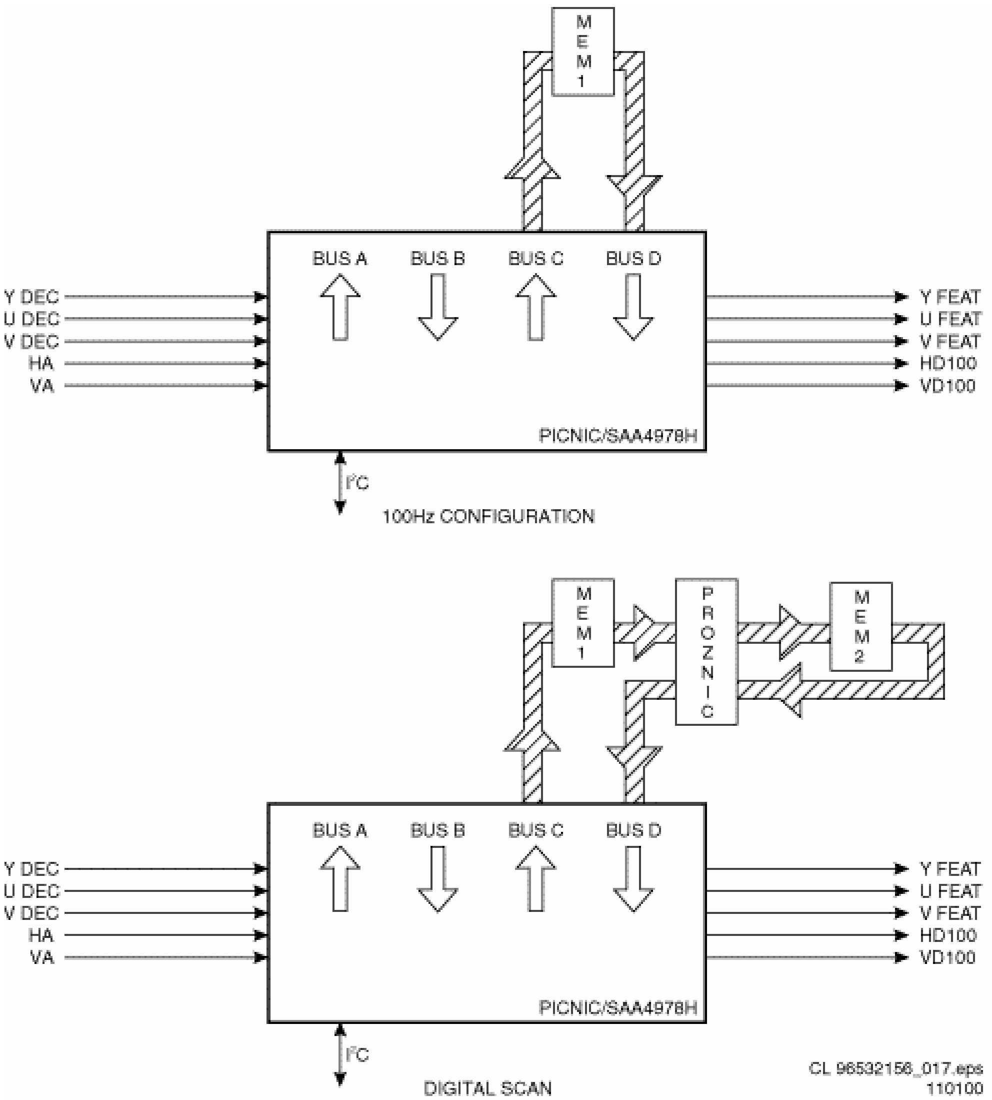


Figure: 100 Hz conversion

To the PICNIC, external ICs are connected dependent of the features.
For N8-sets with Digital Scan the PROZONIC (IC7708, SAA4990H) is placed with two memory ICs (IC7714 and 7715). It is an abbreviation for PROgressive scan ZOom and Noise reduction IC.
When applying this, the second Field Memory has to be installed. The following functions are available:

- Line flicker reduction (Digital Scan): this is a feature to reduce the 30 Hz interlace line flicker.
- Dynamic Noise Reduction: noise affected signals can be improved by combining the pixel values of the current and past video fields. This is however only possible in areas without movement.
- Variable Vertical Sample Rate Conversion
- Synchronous No Parity Eight bit Reception an Transmission interface (SNERT-bus)

Video: High-end Output Processor (HOP, diagram B4)

General

In the HOP (High-end Output Processor, TDA9330) the video processor and digital deflection processor are integrated. The main functions of the HOP are:

- Video control (contrast, brightness, saturation, etc.).
- 2nd RGB interface for OSD/CC.
- Peak White Limiting.
- Cut-off control and White Drive (RGB outputs).
- Geometry control.

The YUV-signals from the PICNIC are fed to the HOP. In the HOP, the video and geometry control parts are integrated. In addition, the RGB-signals from TXT/OSD are inserted via the HOP. This IC has all functions from a video processor and geometry control.
The geometry part delivers the H-drive, EW-drive, and a drive signal for rotation. The internal V-drive circuit of the HOP is not used (is explained further on).

Video Control

After conversion to RGB again, the signals can be controlled for Saturation, Contrast, and Brightness.

2nd RGB Interface for OSD/CC

On pins 35 to 38, the RGB and fast blanking from the Painter (OSD and CC) are inserted.

Peak White Limiting

On pin 43 there is a Peak White Limiting signal line (PWL). If the beam current (EHT-info line) increases, then the EHT-info voltage will decrease. PWL is controlled by average limiting via R3343/C2333.

Cut-off Control

Switching the TV to Standby:

1. Vertical scan is completed.
2. Vertical flyback is completed (the horizontal output is gated with the flyback pulse, so that the horizontal output transistor cannot be switched on during the flyback pulse).
3. Slow stop of the horizontal output is started, by gradually reducing the 'on' time at the horizontal output from nominal to zero (this will take 50 ms.).
4. At the same time, the fixed beam current is forced via the black current loop for 25 ms., by setting the RGB outputs to a maximum voltage of 5.6 V.

In this chassis, a 'one-point' cut-off control is used:
A current of 8A (for cut-off) is fed to pin 44 of the HOP. This is done with a measurement pulse during the frame flyback. During the first frame, three pulses are generated to adjust the cut-off voltage at a current of 8A. With this measurement the black level at the RGB-outputs is adjusted. So at start-up there is no monitor pulse anymore.
At start-up, the HOP measures the pulses, which come back via pin 44. The RGB-outputs have to be between 1.5V and 3.5V. If one of the outputs is higher than 3.5V or one of them lower than 1.5V, the RGB-outputs will be blanked.

Geometry Control

All geometry control is done via I2C and the data is stored in the NVM (IC7012) of the SSB.

Line Drive (LINEDRIVE1).

Line drive is derived from an internal VCO. As a reference an external resonator is used (1301). The internal VCO is locked with the HD100-pulse, which comes from the PICNIC. The 'PHI-2' part in the HOP receives the HFB_X-RAY_PROT (pin 13) to correct the phase of the line drive. The EHT-info is supplied to pin 14 (DYN-PHASE-CORR) to compensate picture breathing depending on the beam current.

Frame Drive (FRAMEDRIVE+).

Triggered by Frame+ output of HOP-IC (pin 1), the FRAMEDRIVE+ signal is extended to 530uSec (flyback time) by the circuit around TS7309 and 7311. (Vsync signal is used to vertically sync the painter)
Note: The Frame outputs (pins 1/2) of the HOP are not used!

East/West Drive.

At pin 3, the E/W-drive is available. Pin 4 is a feedback input for the EHT-info and is used to prevent pumping of the picture. EHT varies also dependent of the beam current.

Frame Rotation.

For frame rotation, a control voltage is used from pin 25 of the HOP. This voltage can vary from 0.4V to 4V.

Guarding Protections:

Flash detection:

When a flash occurs, the EHT-info will become negative very fast. Via D6303/D6304/R3316, TS7303 starts to conduct. This makes pin 5 of HOP high. When pin 5 of HOP is high, then the output (pin 8) is immediately stopped. If the H-drive stops, then also pin 5 will be low again, which will reset the flash detection. A bit (FLS) will be set in an output status register, so via the Painter it can be seen when there was a flash. This FLS-bit will be reset when the Painter has read that register.

HFB protection:

If the HFB is not present then this will be detected via the HOP. The Painter puts the TV into protection and an error code will be generated.

3D Comb Filter (Diagram CO)

Conventional Comb filters separate the luminance (black and white picture information) from the chroma (color picture information), by comparing horizontal scanning lines within one video frame The 3D Digital Comb Filter takes this idea two steps further by acting upon not only consecutive lines within the frame, but in the frame before and after as well. The added analysis and correction result in far sharper pictures with less noise, as well as an enhanced purity of color. The filter also compensates for any motion that occurs between fields.

The video inputs and outputs are protected from temporary overload conditions and are ESD protected for improved reliability. The module is controlled via I2C commands.
The red LED on the panel indicates proper sync and color burst timing. When they are detected, the LED must be 'off.'
The input currents for the 5 V (280 mA) and 9 V (120 mA) supply are self-limiting due to the use of a PTC (R3103 and R3104).

The 3D Comb filter is integrated in one IC (type uPD64083.) The block diagram of the 3D Comb panel is indicated in the next figure.

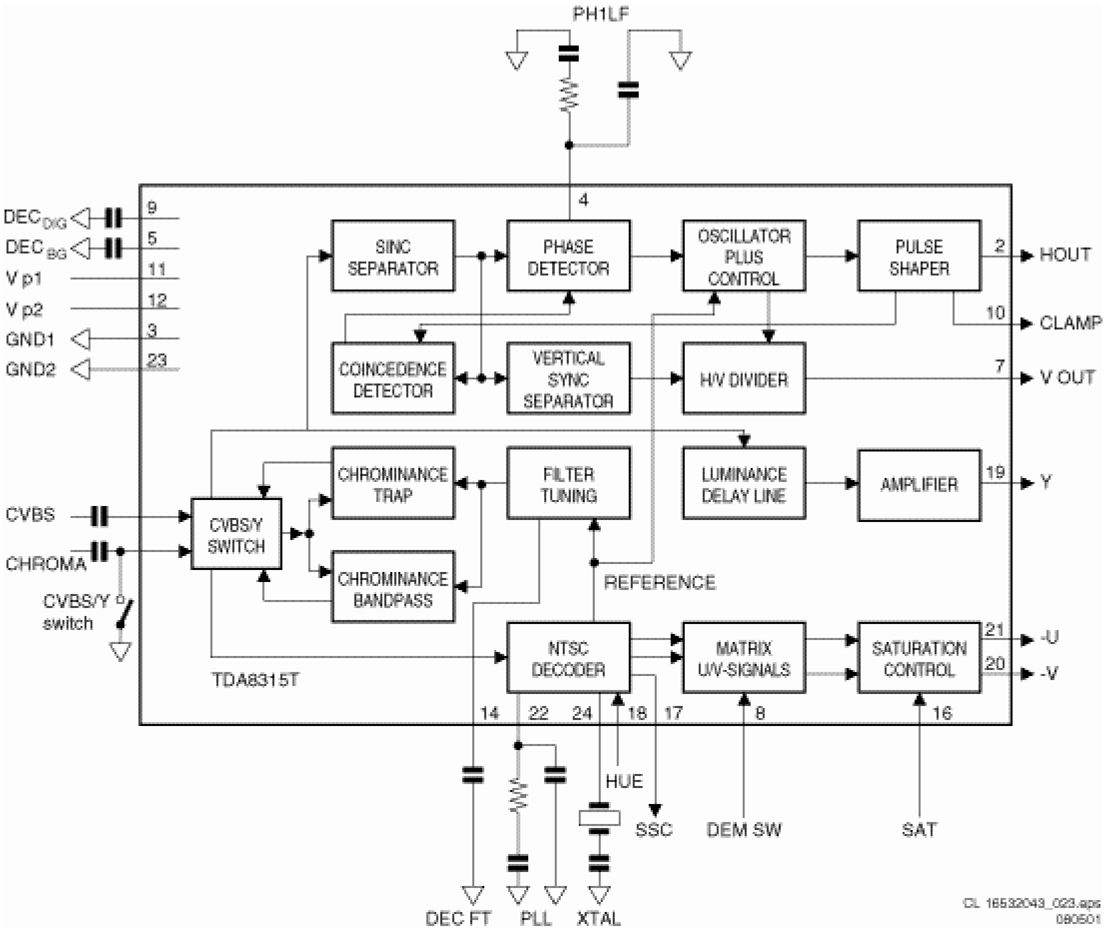


Figure: Block diagram 3D Comb panel

Synchronization (Diagram B3 and B4)

The HIP video processor provides vertical and horizontal sync pulses VA and HA, which are synchronized with the incoming CVBS signal. These pulses are fed to the PICNIC where they are doubled to be synchronous with the 100Hz picture. The outgoing pulses, VD100 (in reality 60 Hz), and HD100 are fed to the HOP that supplies the vertical and horizontal drive pulses and the 2fH sandcastle pulse.

Via a mono-stable multi-vibrator circuitry (7309/7311), a frame flyback pulse is generated of 530s. This pulse is triggered by the Frame + output of the HOP-IC. The VSYNC output of this circuitry together with 'HS' signal (retrieved from the HFB signal via TS7007 on diagram B7) synchronize the Painter for stable OSD/CC.

The 'framedrive +' line drives the frame deflection.

When no CVBS is offered to the video processor, the VA and HA pulses are switched 'off' by the HIP, and the VD and HD pulses are then generated by the PICNIC. This to assure a stable OSD.
This also counts for the AV4 input signal (HD input). When having no signal here, we still have a stable OSD.

Horizontal (Line) Deflection (Diagram A3)

Driving the Line Output Stage

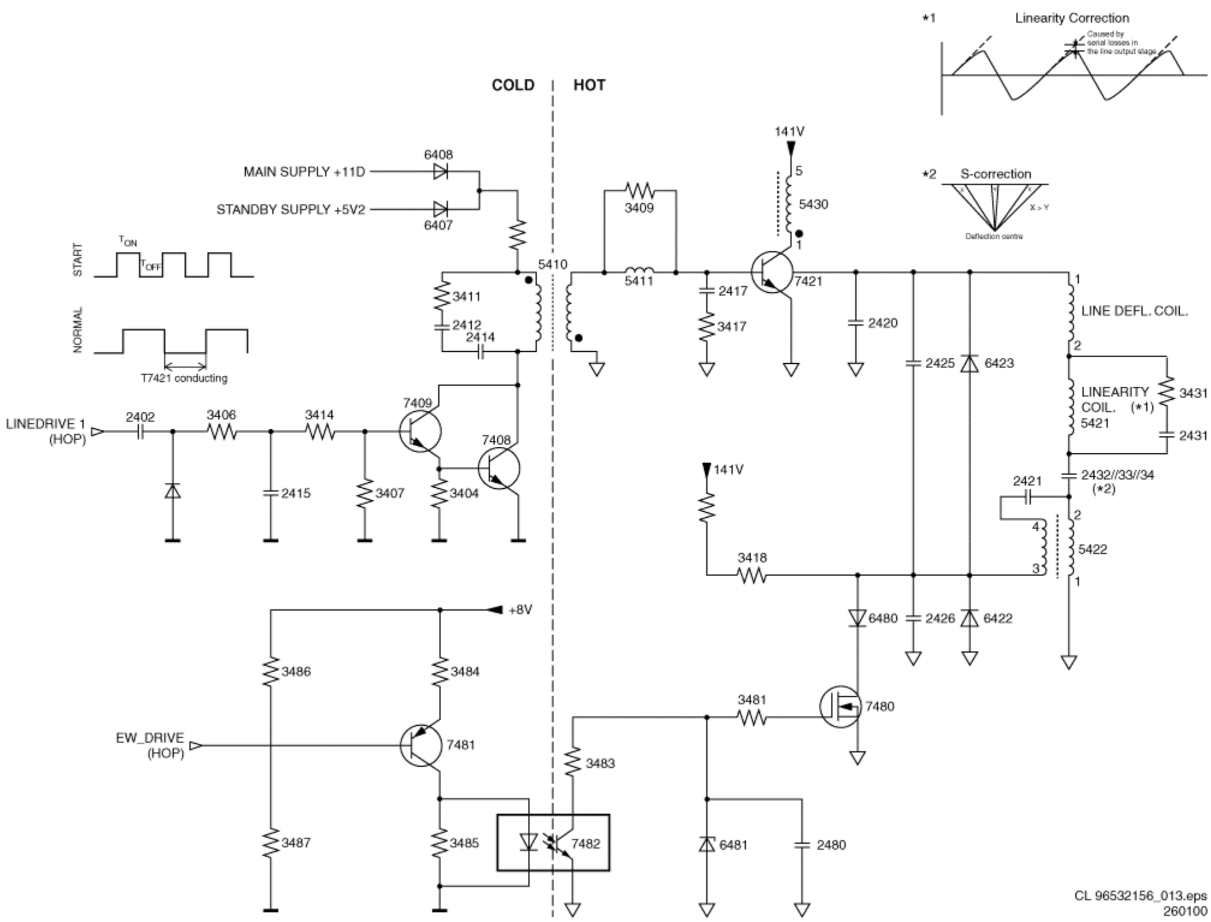


Figure: Line deflection circuitry

The HOP (located on the SSB) generates the line-drive pulses (LINEDRIVE1), which have a frequency of 31468 Hz (T = 31.77s).

When the LINEDRIVE1 signal is high, TS7409 and TS7408 will conduct. A constant DC voltage will be applied across L5410, causing a linear increasing current through this coil. The secondary voltage of L5410 has a negative polarity so that TS7421 will block. When switching on the set, the current through L5410 is supplied by the 5V2 Standby supply (via D6407), and taken over by the +11D voltage (via D6408) of the main supply.

When the LINEDRIVE1 signal becomes low, TS7409 and TS7408 will block. The voltage polarity across the primary winding of L5410 will invert. The positive voltage on the secondary winding will now drive TS7421 into conductivity. Because of the storage time of the line transistor (TS7421), L5410 cannot transfer its energy immediately to the secondary side. This may result in high voltage peaks on the collector of TS7409 and TS7408. To prevent that these peaks will damage the transistors, a 'snubber' circuit (C2414, C2412, and R3411) will suppress them.

When the LINEDRIVE1 signal is high again, the above-described sequence starts again. Circuit L5411 and R3409 will increase the switch-off time of the line transistor.

The line stage will be started via the 'slow start' principle. During start-up, the HOP generates line drive pulses with a small TON and a high frequency (50 kHz); TOFF will be constant and TON will be gradually increased until the duty-cycle is 50 % (normal condition). The time interval from start to normal condition takes about 150mSec.
When switching off, the same procedure is followed, but now in reverse order.

Operation of the Line Output Stage

To explain the operation of the line output stage, we use the following start conditions:

- C2433 is charged to max. 141 V (VBAT)
- TS7421 is driven into conductivity.

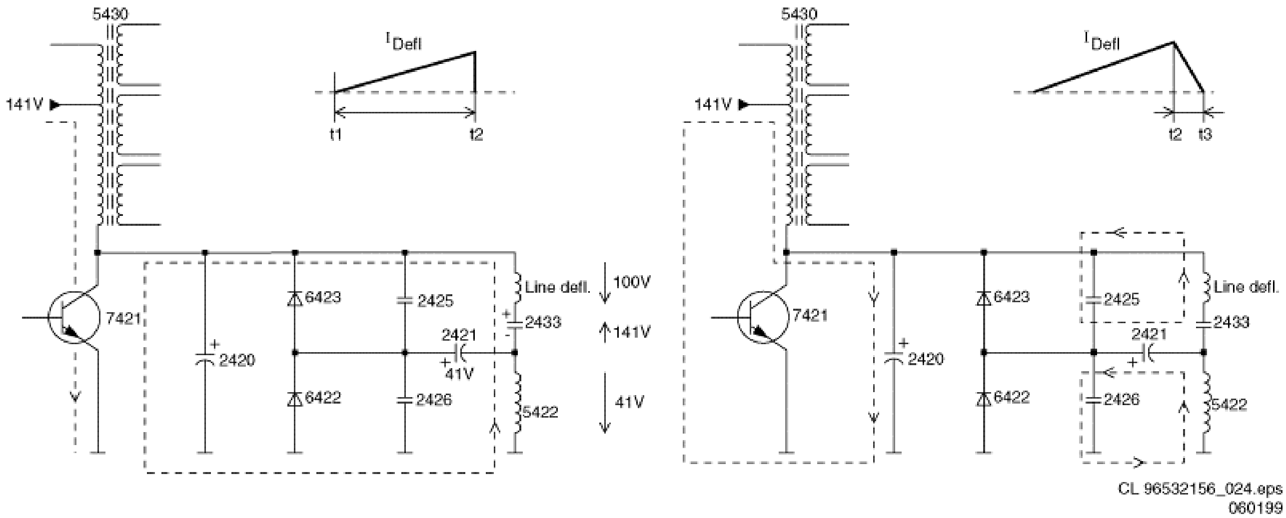


Figure: Line deflection part 1

Period t1 - t2:

When TS7421 is driven into conductivity, the capacitor voltage of 141 V will be divided across bridgecoil L5422 and the deflection coil (conn. 0317). Due to the chosen inductance values, there will be 100 V across the deflection coil and 41 V across L5422. The linear increasing current in the deflection coil will result in a spot moving from the center of the picture tube to the right.

The voltage across L5422 will also charge C2421 (41 V - 0.7 V).

Period t2 - t3:

At the moment the LINEDRIVE signal becomes high, TS7421 will stop conducting. In the coils, a voltage will be induced, trying to maintain the current. The current through the line deflection coils continues to flow through C2425 and C2421 and the current

through L5422 continues to flow through C2426 and C2421. The energy stored in the line deflection coil is passed to C2425, and the energy of L5422 to C2426.
The resonance-frequencies of these two LC-circuits define the flyback time of the spot from the right side of the picture tube to the left.
On average, no current flows through C2421 and thus the voltage across this capacitor remains constant.

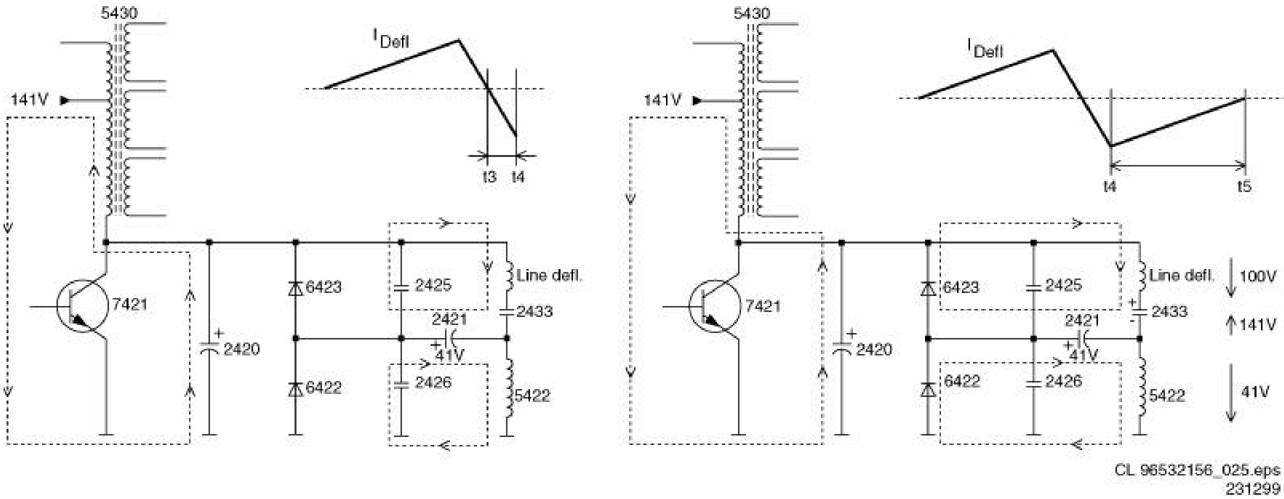


Figure: Line deflection part 2

Period t3 - t4:

As for the period t2 - t3, but now the current flows in the opposite direction, since the voltage across C2425 and C2426 is higher than the voltage across C2433 and C2421.

Period t4 - t5:

The coils try to maintain the negative current and will charge the capacitors negative. Because of this, D6422 and D6423 will conduct. The voltage is 100V across the deflection coil and 41V across L5422. As both diodes conduct, we may consider the voltage constant. A linear current flows with the same changing characteristics as in period t1 - t2. The spot now moves from the extreme left to the center of the picture tube. Before the current becomes zero, and the spot is located in the center of the frame, TS7421 reverts into conductivity. First a short negative current will flow. Then the cycle begins again.

The Linearity Correction

A constant voltage across the horizontal deflection coil should result in a linear increasing saw-tooth current. This however is not the case as the resistance of the coil is not negligible. In order to compensate for this, a pre-magnetized coil L5421 in series with the deflection coil is used. This coil ensures that during time interval t1 - t3 the circuit-resistance will be higher than during t4 - t5. L5421 is called the linearity coil.
To avoid self-oscillation, R3431 and C2431 are placed parallel to L5421.

The S-Correction

Since the sides of the picture are further away from the point of deflection than the center, a linear saw-tooth current would result in a non-linear image (the center would be scanned slower than the sides).
To solve this, the deflection current for the right- and left side will be reduced.
C2433 is charged quadratic during time interval t1 - t2. On the left and right sides of the screen the voltage across the deflection coil decreases, causing the deflection to slow down. In the center of the screen, the voltage increases and the deflection will increase in speed.
An S-shaped current will have to be superimposed onto the saw-tooth current. This correction is called finger-length correction or S-correction. C2433 is relatively small, as a result of which the saw-tooth current will generate a parabolic voltage with negative voltage peaks. The current also results in a parabolic voltage across C2421, resulting in the finger-length correction, proportionally increasing with the picture width. The EW-DRIVE signal will ensure the largest picture width in the center of the frame. Here the largest correction is applied. The larger the picture width, the higher the deflection current through C2433.

The E/W-Correction

A line, written at the upper- or lower side of the screen, will be larger at the screen center when a fixed deflection current is used. Therefore, the amplitude of the deflection current must be increased when the spot approaches the screen center. This is called East/West correction.
The EW-DRIVE signal is generated in the HOP and will drive FET TS7480 via TS7481 and optocoupler TS7482. TS7480 will charge capacitor C2423 more or less, increasing the deflection current when reaching the center of the screen.

Secondary Line-Voltages

During the blocking time of TS7421, the magnetic energy of coil 1 - 5 of the LOT will be transferred to electrical energy in the secondary winding. Via rectifying and smoothing, the several secondary supply voltages will be generated:

- EHT, Focus and Vg2-voltage,
- +180V for the CRT panel (pin 8 LOT),
- +11D for the line deflection (pin 12 LOT),
- +13VLOT for the frame deflection (pin 6 LOT),
- -15VLOT for the frame deflection (pin 3 LOT),
- Filament voltage (pin 9 LOT).

The EHT-INFO signal is derived via R3450//R3451. This signal decreases while the beam current increases. It is fed to the HOP to compensate for loss of picture width and picture height.

The DYN-FASE-CORR signal is fed to the HOP via C2455 and drives a dynamic phase correction necessary because of beam current variations. This is done by regulating TON of the line transistor TS7421.

East-West Circuit

The moment TS7480 is driven into saturation, C2421 will discharge during the flyback. As a consequence of which C2421 must be charged again during the scan via the conduction diode D6422 (as long as C2421 is not charged to the voltage across L5422, D6422 will conduct). The current in the deflection coil is therefore larger than the current flowing in L5422 (1-2). The voltage across the deflection coil increases, so the picture width increases. When TS7480 blocks, C2421 will not discharge anymore and the voltage across C2421 will remain constant. The result is that the voltage across the deflection coil is minimal. The voltage across coil L5422, however, is maximal. This coil (L5422) consists of a transformer:

- As the current through the coil 1-2 increases (smaller picture width), the current through coil 3-4 decreases. Because of the transformer characteristic a higher voltage will be subjected to coil 3-4, this will counteract the current. The current will diminish even further.
- When the current through coil 1-2 diminishes (larger picture width), the current through coil 3-4 increases.

The EW Drive

The EW drive signal originates in the HOP and is supplied to TS7480. The shape of this signal determines the various geometric correction parameters:

- H amplitude,
- EW-parabola,

- EW-corner,
- EW-trapezium,
- Horizontal parallelogram,
- Horizontal bow.

Beam Current Correction

The EHT-info at point 10 of the LOT is dependent on the value of the beam current and the voltage divider R3450, R3451, and C2450. The EHT-info is fed to the HOP to trim the contrast and to compensate for the changes in picture-width as a function of the EHT-info, when the high-voltage is decreased.
The EHT-info is integrated via C2450 and sent to the gate of the E/W FET (TS7480) as a DC-voltage to correct the EW-current.

Vertical (Frame) Deflection (Diagram A4)

Driving the Frame Output Stage

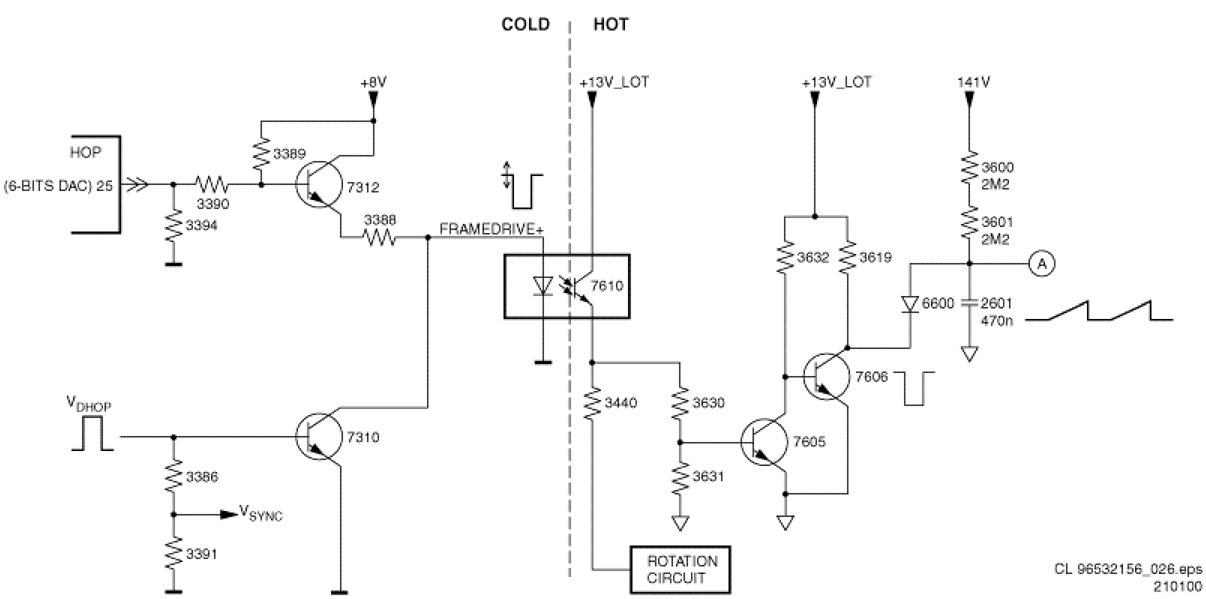


Figure: Frame deflection circuitry

The HOP drives the frame output stage. As the HOP is 'cold' and the frame output stage is 'hot', they must be galvanic isolated. This is done by means of an optocoupler. In the MG-chassis, the HOP generates three signals needed for the frame output stage: VDPOS, VDNEG and FRAME ROTATION. To avoid the costs of three optocouplers, the frame drive pulse and rotation DC-voltage are added together and then fed to optocoupler TS7610.

This is done as follows:

The positive frame output signal of the HOP (pin 1 of HOP, diagram B4) is extended for 16.5 lines and inverted via a mono-stable multivibrator (TS7311, TS7309 and TS7310, diagram B4). This signal is called FRAMEDRIVE+. The output signal of pin 25 of the HOP (rotation-information) is superimposed via TS7312 on this signal. The FRAMEDRIVE+ and is fed to optocoupler 7610 (diagram A4). So this signal contains info for both the frame deflection and the frame rotation (if present).

The circuit around IC7440 will amplify this signal and the output current will flow through the rotation coil. The vertical pulses on this signal are filtered by C2445 to ensure that only a DC-voltage will be supplied to the rotation coil.

The output voltage of the rotation circuit is between -8 and +8 V.

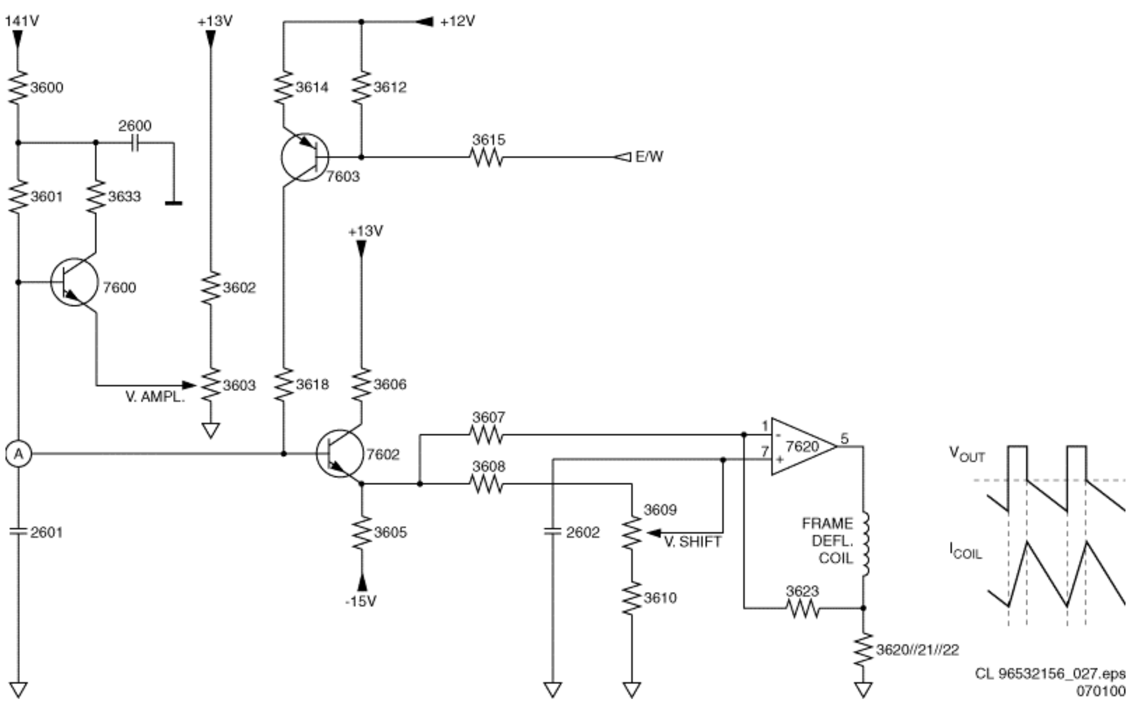


Figure: Frame deflection

The sawtooth voltage for the frame output stage is not generated by the HOP but by a discrete circuit after the optocoupler 7610 via R3600 and R3601 a linear increasing voltage over C2601 is built up with a large time constant.
The circuit around TS7603 is a current source, driving C2601 with a current value derived from the E/W modulator. This will result in an S-shaped voltage on C2601 (also known as EW-correction).

Flyback Generator

The frame output stage is supplied via the +13 V and -15 V coming from the LOT. The output of the amplifier is 0VDC, so a coupling capacitor is not required.

During the (forward) scan, a supply of +13 and -15 V is sufficient to respond to the slow changing current. The flyback generator puts a voltage of -15 V on pin 3. Because of the voltage drop over zener diode D6622 (8.2 V), C2622 will be charged to 19 V: being 13 + (15 - 8.2 - 0.7) V.
During the flyback scan, the change in current per time is much larger, so a higher voltage is required. The flyback generator will now generate a voltage of +13V on pin 3. Added to the charge on C2622 this will give a flyback voltage of 32 V (depending on the CRT size, this value can differ).

The IC amplifier (IC7620, pin 5) supplies the sawtooth current to the frame deflection coil. The current through this coil is measured via R3620//R3621//R3622 and fed back to the inverting input of the amplifier.
R3624 and C2624 on the output of the amplifier, form a filter for high frequencies and in that way also prevents oscillations.
Peak voltages on the output, e.g. as a result of a possible flash, are damped by the clamp circuit consisting of D6619, C2627, and R3627. The network consisting of R3625, R3629 and C2629 form an extra damping circuit.

Protection Circuit for Bridge-Coil and Frame Output Stage

The secondary voltage of bridge coil L5422 is guarded at the diode modulator (D6421/22) via a detection circuit consisting of an 8.2 V zener diode (6499 on diagram A3). When the bridge-coil is working properly, the average voltage on D6422 is such that this zener diode will conduct and will drive TS7652 into saturation via the BRIDGE_PROT signal (see diagram A4). When, for any reason, the secondary side of the bridge-coil is shorted, the average voltage on D6422 will drop below the zener-voltage and TS7652 will block. Now capacitor C2642 will be charged. Transistor TS7407 will start conducting and the DEFL-PROT (= STANDBY, see diagram A3) signal will be grounded via R3403. This will switch off the main supply (see diagram A1).

Via the circuit built around TS7641 the frame output stage is guarded. If the frame output stage is working properly, TS7641 and TS7652 will both conduct and thereby discharging C2642. TS7407 is blocked now, causing the DEFL-PROT signal to have a high resistance.
If there are frame pulses missing, TS7641 will block and capacitor C2642 can be charged. Transistor TS7407 will now start conducting and the STANDBY (=DEFL-PROT) signal will be grounded via R3403. This will switch off the main supply (see diagram A1).

Audio (Diagram B6, A5 and A6)

Introduction

All N8 sets contain one of ITT's Multistandard Sound Processing ICs for sound decoding. The USA-version uses the MSP3451G (Global decoding and Virtual Dolby). This IC takes care of the main FM sound decoding.

All MSP versions contain digital audio processing used for the basic left/right stereo sound, such as bass, treble, balance, incredible sound and spatial. In addition to that, the MSP3451 is also able to perform Virtual Dolby; a Dolby approved sound mode for surround sound reproduction with left/right speakers only.
The MSP3451 is capable of supporting four stereo inputs. Therefore, an extra input selector (HEF4052) is not needed. It has a separate headphone output, so sound control is done separate from the speakers.

Audio Decoding

The signal is fed to the AGC. After this, an ADC converts the IF-signal to a digital signal. This digital signal is processed by two demodulation channels. The first one is able to handle FM.
This channel contains a mixer to shift the incoming signal in the frequency domain. This shift is determined by the value of a DCO (Digital Controlled Oscillator).

After the down-mix, the signal is fed, via a filter, to a discriminator. From here the FM (BTSC) demodulation can be performed.

Both channels contain an 'automatic carrier mute' function, which automatically mutes the output of the analogue section when no carrier is detected.

After demodulation, the FM-signals are subjected to a de-emphasis operation. After that, the matrix of the stereo system is applied.

Explanation BTSC Stereo System (USA)

The standard for TV stereo audio in the USA was set by the Broadcast Television Systems Committee (BTSC). The BTSC system was designed to:

- be compatible with then current monaural TV receivers,
- present a good stereo separation and signal to noise ratio,
- make available a Second Audio Program as a separate audio channel,
- provide a technical voice/data channel to communicate within the TV stations system.

In a transmitted TV signal in the USA, the FM Audio signal is placed 4.5 MHz above the AM Video Carrier. The audio FM has a nominal deviation of +/-50 kHz. With the BTSC system this signal separation and FM deviation is maintained.

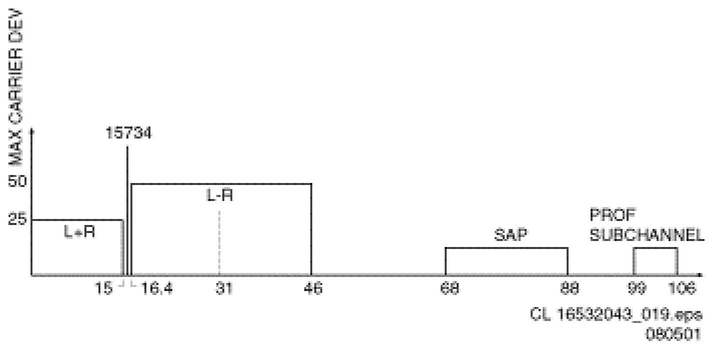


Figure: Base band audio signal spectrum

Figure above shows the detected base band audio signal spectrum. The 'L+R' signal maintains compatibility with the original (and current) monaural receivers. With Double Sideband Suppressed Carrier (DSSC) for the 'L-R' signal, there is a need for an exact re-insertion of the missing carrier. This to assure a good detection in the receiver. This is the main purpose of the pilot carrier at 1fH (15,743 Hz). It also serves to alert the TV set (and the customer) to the fact that the signal is in stereo. As the pilot is at the exact horizontal scan frequency, this can lead to false indication from such sources as VCRs, Signal Amplifiers, etc. where both sound and video are present with RF energy.

The figure also shows the Second Audio Program (SAP) frequency, which is a constant carrier of an audio tone of 5fH (78,670 Hz), FM modulated by the SAP program content. SAP is always monaural.

The material on the SAP audio may, in some cases, not be related to the video content. Alternatively, it may contain a verbal description of the action in the video for those who can not view the picture.

Some stations use it to transmit background music or book reading for the blind.

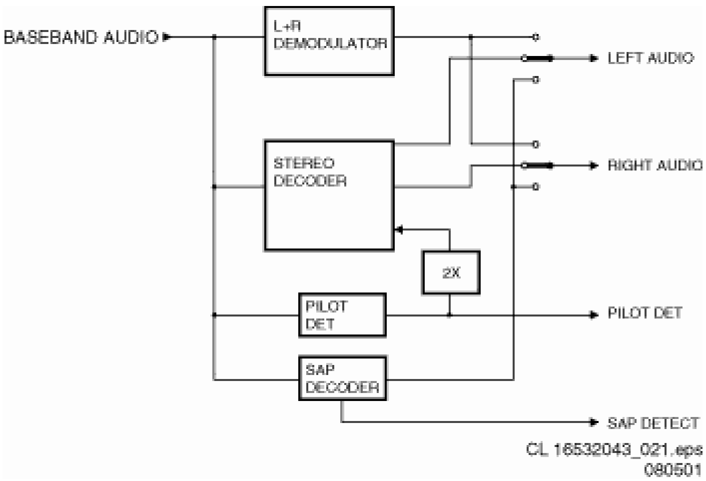


Figure: Block diagram stereo sound system

In figure above, a simplified block diagram of a stereo sound system in a TV set shows the 'L+R' audio signal combined with the detected 'L-R' audio signal to develop stereo 'L' and 'R' audio.

The 'pilot' signal is doubled in frequency (to 2fH) and re-inserted into the detection of the 'L-R'. This to complete the detection.

The pilot signal also tells the control circuit when a pilot frequency is present. The 'L-R' and 'L+R' audio are supplied to the stereo matrix. There, by addition and subtraction the single 'R' and 'L' audio signals are output. The SAP audio is detected and made available. In addition, the indication of a SAP signal is given to the control circuit.

Audio Processing

The sound processing in N8 is completely done by the MSP3451G for 'Virtual Dolby' sets:

- **Volume control** is done by the user via the SOUND menu.
- **Tone control** is done via the BASS/TREBLE control.
- **Headphone control** : In 'Virtual Dolby'-sets, the MSP has a separate Headphone output so separate sound control is possible.
- **Mute control** can be done in different ways:
  - Via the 'SOUND_ENABLE' line of the Painter. Used during start-up/switch-off conditions, in order to avoid audible plops. This line is active low (high = mute).
  - Via the decoding part of the MSP.
  - Via the processing part of the MSP.

The mute on the RC transmitter or in the User Interface (UI) is per today a combination of processing mute and 'SOUND_ENABLE' line. When a user mute is done, the processing mute will turn down the volume, after which the 'SOUND_ENABLE' line is switched. De-muting is the other way around. The reason for this is a technical problem with crosstalk of the headphone into the loudspeakers.

Automatic Volume Leveling (AVL)

One of the features of the MSP-family is AVL. If used, it limits the big volume differences in the broadcast between e.g. news transmissions and commercials or within a movie.
To be able to get a Dolby approval (for the Virtual Dolby sets), the AVL feature must be switchable. Therefore, the AVL feature is customer switchable via the menu.

Audio Amplification

The audio amplifier part is very straightforward. It uses two integrated power amplifiers (TDA2616). It delivers an output of 2 x 10WRMS to two full range speakers and/or subwoofer.
The supply voltage is +28 V, generated by the main supply via L5506.
Muting is done via the 'SOUND-ENABLE' line connected to pin 2 of the amplifier IC and coming from the Painter. This signal is inverted by TS7730, as a result of which at a high level of the 'SOUND-ENABLE' signal, current is sinked from pin 2, and the IC mutes.

CRT and SCAVEM (diagram F)

RGB Amplifiers

On the CRT panel, the RGB amplifier (TDA6108, IC7307) is located. Via the outputs 9, 8 and 7 the cathodes of the picture tube are driven.
The supply voltage for the amplifier is 180 V and is derived from the LOT.

SCAVEM

The SCAVEM-circuitry is implemented in the layout of the picture tube panel. It is thus not an extra module. SCAVEM means SCAn VElocity Modulation. This means that the picture content influences the horizontal deflection. In an ideal square wave, the sides are limited in slope by a limited bandwidth (5 MHz).
SCAVEM will improve the slope as follows: At a positive slope, an SCAVEM-current is generated which supports the deflection current. The first half of the slope the spot is accelerated and the picture is darker, while at the second half of the slope, the spot is delayed and the slope becomes steeper.

At the end of the slope, the SCAVEM-current decays to zero, and the spot is at the original position. An overshoot occurs which improves the impression of sharpness. At the negative slope, the SCAVEM-current counteracts the deflection.
During the first half of the slope, the spot is delayed and the slope becomes steeper. During the second half the spot accelerates, the SCAVEM-current is zero at the end of the slope.

The Y-scavem signal comes from diagram B4 and is the input-signal for the scavem-circuitry on the CRT-panel. (Y-scavem enters the CRT-panel on pin 5 of 0340).
The Y-scavem circuitry has or a RGB 2fh-input via AV4-input, or Yttp-input (= cvbs) for the other signal sources
Via TS7300 this signal is fed to emitter follower TS7304.The signal is conveyed to the differentiator C2303, R3309, and R3318. Only the high frequencies are differentiated (small RC-time).
The positive and negative pulses of this signal drive respectively TS7303 and TS7302 into conductivity. The DC setting of the output stage is set by R3304, R3308, R3316, and R3319. The working voltage of the transistors is settled at half the supply voltage.
At the positive section of the pulse, the current flows through R3318, C2307, the SCAVEM-coil, and TS7303. At the negative section of the pulse, the current flows through R3318, C2304, the SCAVEM-coil, and TS7302.

Picture In Picture (PIP)

Introduction:

The PIP panel provides the option for viewer to see two pictures or programs on the displayed area of a TV screen. The size and position of the 'second' picture can also be selective by the viewer.
The PIP panel execution is only applicable to NAFTA only.

Key Components:

- Tuner (1900):

  UV1336BL9/AGS

- SAW Filter (1901):

  OFWM1962M

- IF processor (7914):

  TDA9801

- PIP processor (7803):

  M65669

- Switching ICs:

  TDA8601 (7919), HEF4053 (7801 & 7916)

- IO expander (7403):

  M62320P

Block Diagram:

There are basically two types of configurations. 2-antenna inputs or one tuner PIP, as shown in Fig. 1.

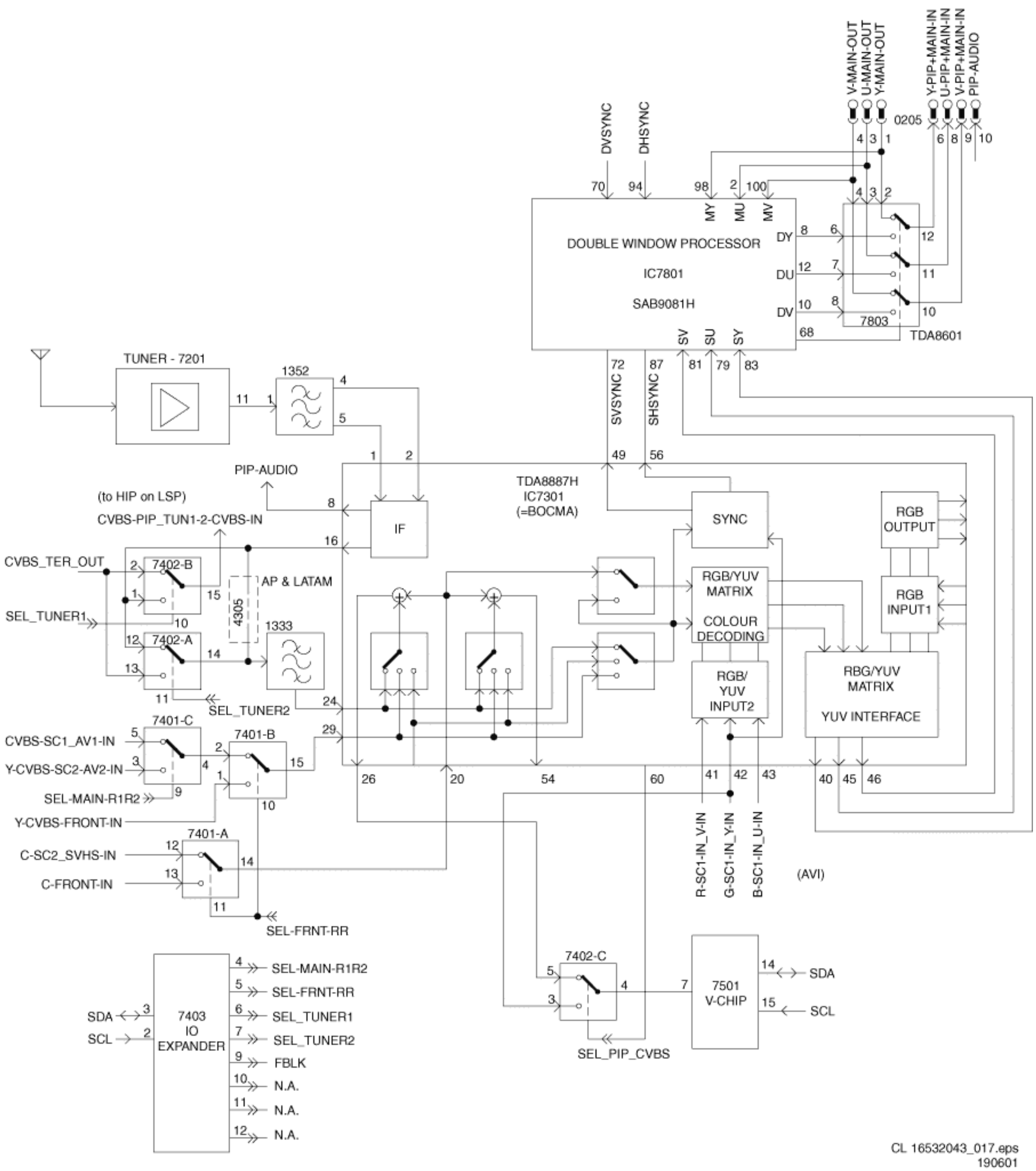


Figure: PIP panel block diagram Pip panel block diagram

Circuit Descriptions

IF section (for set with 2-antenna inputs)

Basically the IF-processing works around IC7901 TDA9801 and tuner. It demodulates the IF signal received from the tuner at pin-1 & 2 via SAW filter 1901, processes it into CVBS signal and outputted at pin-7. The AGC and phase alignments are possible on this panel.

CVBS selection (2-antenna inputs only)

Due to 2-antenna inputs construction, it is possible to provide main picture/PIP picture source either from each tuner (one for off-air and one for cable, or both off-air or cable). It was done by the switching component of IC7916. The switching logic signals, SEL_TUNER1 and SEL_TUNER2 are from IO expander IC7910 pin-6 & 7 respectively. Table-1 shows the switching logic.

Table: Switching logic between Tuner-1 and Tuner-2 for Main or PIP Picture

SEL-TUNER1 (Pin 6 of IO Expander IC7910)	**SEL-TUNER2 (Pin 7 of IO Expander IC7910)**	**Selected CVBS signals**
0	0	Main Picture = Tuner 1 PIP Picture = Tuner 2
0	1	Main Picture = Tuner 1 PIP Picture = Tuner 1
1	0	Main Picture = Tuner 2 PIP Picture = Tuner 2
1	1	Main Picture = Tuner 2 PIP Picture = Tuner 1

In order to display the external AV sources by the PIP panel, source selection circuit is incorporated on the panel. In A10 PIP execution, 3 external AV sources are possible (AV1, AV2/S-VHS1, AV3/S-VHS2). The selection between these sources is done by IC7801 HEF4053.

Note: When S-VHS is inserted from the rear, AV2 source will be disabled. Likewise when S-VHS is inserted from the side-AV.

The switching logic of AV sources is shown in Table-2.

Table: AV switching logic for PIP picture

Device IC7403	**pin**	**Function**	**RF (CVBS)**	**AV1**	**AV2**	**AV2SVHS**	**AV3**	**AV3SVHS**
IO Expander	4	S1	1	0	X	X	X	X
	5	S2	0	0	1	1	1	1
	9	S3	X	X	1	1	0	0

Since the PIP processor input needs CVBS signal, the YC from the SVHS inputs (rear & side AV) are being 'added' by TS7817 or TS7816.

PIP Processing

IC7803 M65669 is a PIP signal processor whose sub-picture is composite signal for NTSC, PAL M/N. It also has a built-in V-Chip data slicer and built-in field memory (144k-bit RAM). The PIP picture size can be 1/9 or 1/16, with picture freeze capability. The composite video signal from the PIP tuner or AV source is fed to IC7803 pin-22. Since the PIP is only NAFTA execution only one x'tal 1802 (14.3181MHz) is connected to pin-28, for decoding the CVBS into NTSC YUV signals, in the digital domain for PIP memory & output control. The compressed YUV then reconvert back to analogue by the

DACs. The YUV are output at pin-39, 37 & 35 of IC7803 respectively. In order to display the PIP sub-picture correctly on the main picture, the VFB & SANDCASTLE sync signals from the deflection are connected to IC7803 pin-33 & 32.

The sub-picture YUV signals are fed to fast switching IC7919 TDA8601 pin-6, 7 & 8. In normal operation (w/o PIP), the main picture YUV signals (at pin-2, 3 & 4) are bypassed by IC7919, and returned back to the main video processor. When PIP mode is active, the sub-picture YUV signals are used and fed to main video processor. The control is made possible by fast blanking signal from IC7803 pin-1.

Guide+ (NAFTA only)

The CVBS_TER_MAIN & CVBS_TER_PIP signals for the Guide+ decoding are routed/taken from the PIP panel along together with the switching signals (RESET, SEL_YUV_RGB & SEMI-STD-BY) derived from the IO expander IC7910.

Semi-Standby (NAFTA only)

The Semi-standby is used when Guide+ controller wants to capture the data when the set is in standby mode. Normally this is done once every night when the set is in standby mode. During this mode to reduce the load of the power supply the PIP circuitry is switch-off by TS7911 & TS7912. IO expander IC7910 pin-12 does the Semi-standby switching. Table-3 shows the Semi-standby switching logic.

Table: Semi-standby switching logic

Condition	Semi Stdby pin 12 IC7910	Stand By pin 13 on main uP	Remarks
Normal	High	High	PIP ON, TV ON,Main Front End ON
Stand By	Low	Low	PIP OFF, TV OFFMain Front End OFF
Semi Stdby	Low	High	PIP OFF, TV OFFMain Front End ON

Power Supply

The power supplies used by PIP panel are from the main board 5V, 8V and 33V (for tuner only). The 5V is supplied to tuner 1900, VIF IC7914 and switching circuitry of IC7801 & IC7916. +3V3 is derived from 5V are regulated by TS7891 & D6890. +3V3 voltage is mainly used by PIP processor circuitry. The 8V is mainly supplied to the fast switching IC7919 TDA8601.

Abbreviation List

Abbreviation	Description
1fh	1 time the line frequency
2fh	2 times the line frequency
480p	480 lines resolution (progressive scan)
1080i	1080 lines resolution via interlacing
AARA	Automatic Aspect Ratio Adaptation: algorithm that adapts aspect ratio to remove horizontal black bars; keeping up the original aspect ratio
ADC	Analogue Digital Converter
AFC	Automatic Frequency Control: control signal used to tune to the correct frequency
AGC	Automatic Gain Control: algorithm that controls the video input of the feature box
AI	Artificial Intelligence
AM	Amplitude Modulation
ANR	Automatic Noise Reduction: one of the algorithms of Auto TV
AR	Aspect Ratio: 4 by 3 or 16 by 9
AUDIO-C	Audio Center
AUDIO-L	Audio Left

AUDIO-R	Audio Right
AUDIO-SL	Audio Surround Left
AUDIO-SW	Audio Subwoofer
Auto TV	Name for the combination of picture features/improvements, which work automatically (ANR/Auto sharpness/Auto Histo/ambient light).
AV	Audio Video
BC-PROT	Beam current protection
BLC-INFO	Black current information
Bocma-IC	IF/video/geometry IC in DW-module
BRIDGE-PROT	Protection triggered when bridge coil is malfunctioning
B-SC1-IN	Blue EXT1 in
B-SC2-IN	Blue EXT2 in
BTSC	Broadcast Television Systems Committee
B-TXT	Blue teletext
CC	Closed Captioning
CENTER	Center speaker
C-FRONT	Chrominance front input
CL	Constant Level: audio output to connect with an external amplifier
ComPair	Computer aided rePair

CRT	Cathode Ray Tube or picture tube
CSM	Customer Service Mode
CTI	Color Transient Improvement: manipulates steepness of chroma transients
CVBS	Composite Video Blanking and Synchronization
CVBS-SC1-IN	CVBS EXT1 in
CVBS-SC2 OUT	CVBS EXT2 out
CVBS-SC2-IN	CVBS EXT2 in
CVBS-SC3-IN	CVBS EXT3 in
CVBS-SC4-IN	CVBS EXT4 IN
CVBS-TER	CVBS terrestrial
CVBS-TXT-OUT	CVBS teletext out
CVBS-Y-FRONT	CVBS luminance front input
DAC-HOP	Digital analogue converter HOP IC
DC-filament	Filament supply voltage
DEFL-PROT	Protection triggered when there something wrong in hot-side (= STANDBY)
DFU	Direction For Use: description for the end user
DRAM	Dynamic Random Access Memory
DNR	Digital Noise Reduction: noise reduction feature of the box

DSP	Digital Signal Processing
DVD	Digital Versatile Disc
DW	Double Window
DYN-FASE-COR	Dynamic phase correction
EHT	Extra High Tension
EHT-INFO	Extra High Tension information
EW	East West, related to horizontal deflection of the set
EXT	External (source), entering the set via EXT or via cinches
FBL	Fast Blanking: DC signal accompanying RGB signals
FBL-SC1-IN	Fast blanking signal for EXT1 in
FBL-SC2-IN	Fast blanking signal for EXT2 in
FBL-TXT	Fast Blanking Teletext
FBX	Feature Box: part of small signal /separate module which contains 100 Hz processing, extra featuring and AutoTV algorithms
FILAMENT	Filament of CRT
FM	Field Memory or Frequency Modulation
FRONT-C	Front input Chrominance (SVHS)
FRONT-DETECT	Front input detection
FRONT-Y_CVBS	Front input luminance or CVBS (SVHS)

G-SC1-IN	Green EXT1 in
G-SC2-IN	Green EXT2 in
H-770-2	Horizontal 2 level sync pulse (HD-sources)
H-770-3	Horizontal 3 level sync pulse (HD-sources)
HA	Horizontal Acquisition: horizontal sync pulse coming out of the HIP
HD100	Horizontal Drive: horizontal sync pulse coming out of the featurebox
HD-input	High Definition (2fh) input of AV4
HDTV	High Definition TV: highest resolution defined by the ATSC standard (1080 lines and 1920 horizontal pixels, referred to as 1080i)
HEATER	Heater (Filament)
HFB	Horizontal Flyback Pulse: horizontal sync pulse from large signal deflection
HFB_XRAY-PROT	HFB combined with X-ray protection information
HIP	High-end video Input Processor: video and chroma decoder of N8
HOP	High-end video Output Processor: video, sync and geometry controller of N8
HP	Headphone
IF	Intermediate frequency

IN-FRONT-SNDL	Sound left front in
IN-FRONT-SNDR	Sound right front in
IN-SC1-B	In EXT1 Blue
IN-SC1-G	In EXT1 Green
IN-SC1-R	In EXT1 Red
IN-SC1-SNDL	In EXT1 sound left
IN-SC1-SNDR	In EXT1 sound right
IN-SC2-B	In EXT2 Blue
IN-SC2-CVBS_Y	In EXT2 CVBS or luminance (SVHS)
IN-SC2-FBL	In EXT2 fast blanking
IN-SC2-G	In EXT2 Green
IO-BUS	In/Out - Bus
Last Status	The settings last chosen by the customer and read and stored in RAM or in the NVM. They are called at start-up of the set to configure it according the customers wishes
LED	Light Emitting Diode
LINE-DRIVE	Line drive signal
LNA	Low Noise Adapter
LSP	Large signal panel
MSP	Multi standard Sound Processor: ITT sound decoder of N8

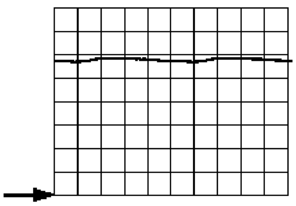
MUTE	Mute-Line
NC	Not Connected
NDF	No vertical Deflection: vertical fly back protection
NHF	No Horizontal deflection: horizontal fly back protection
NVM	Non Volatile Memory: IC containing TV related data e.g. alignments
O/C	Open Circuit
ON/OFF LED	On/Off control signal for the power-LED
OSD	On Screen Display
OTP	One Time Programmable IC (in this case the Painter)
Painter	Set micro controller, dealing with OSD, control, CC and V-chip
P50	Project 50 communication: protocol between TV and peripherals (not used in USA)
PCB	Printed Circuit board
PICNIC	Peripheral Integrated Combined Network IC: main IC for 100 Hz featuring and feature processing
PILOT	Pilot Signal
PLL	Phase locked Loop
POR_FLASH	Signal that informs micro controller (painter) that set will switch off
Progressive Scan	Scan mode where all scan lines are displayed in one

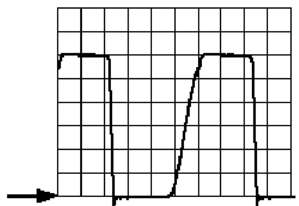
	frame at the same time, creating a double vertical resolution.
PTC	Positive Temperature Coefficient Resistor (degaussing)
PTP	Picture Tube Panel
RAM	Random Access Memory
RC	Remote Control
RC5	RC5 signal from the remote control receiver
RESET	Reset signal
RGB	Red, green, blue signal
ROM	Read Only Memory
SAM	Service Alignment Mode
SC	Sandcastle: pulse derived from sync signals
SCAVEM	Scan Velocity Modulation
S/C	Short Circuit
SC1-OUT	EXT output of the MSP audio IC
SC2-B-IN	Scart2 Blue in
SC2-C-IN	Scart2 Chrominance in
SC2-OUT	EXT output of the MSP audio IC
SIF	Sound Intermediate Frequency
SIMM	80-fold connector between LSP and SSB

SLDP	Smart Local Dooming Prevention (HW and SW)
SMC	Surface Mounted Components
SNDL-SC1-IN	Sound left EXT1 in
SNDL-SC1-OUT	Sound left EXT1 out
SNDL-SC2-IN	Sound left EXT2 in
SNDL-SC2-OUT	Sound left EXT2 out
SNDR-SC1-IN	Sound right EXT1 in
SNDR-SC1-OUT	Sound right EXT1 out
SNDR-SC2-IN	Sound right EXT2 out
SNDR-SC2-OUT	Sound right EXT2 out
SNDS-VL-OUT	Surround sound left variable level out
SNDS-VR-OUT	Surround sound right variable level out
SNERT	Synchronous No parity Eight bit Reception / Transmit
SOUND-ENABLE	Signal from micro controller controlling sound-level (anti-plop)
SSB	Small Signal Board
SRAM	Static Random Access Memory
STANDBY (POR)	Signal coming from Main Supply informing the supply is switching off
SW	Subwoofer
U-100	U from Feature Box

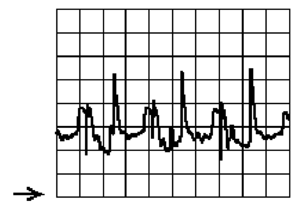
YPbPr	YUV-input with other naming
YUV	YUV-input
C	Micro controller
V-100	V from Feature Box
V-770	Vertical synchronization (HD-sources)
VA	Vertical Acquisition
Vbat	Main supply for deflection (mostly 141 V)
Vchip	Violence chip (used in DW-module)
VD100	Vertical Drive: vertical sync pulse from deflection
VFB	Vertical Fly back Pulse: vertical sync pulse coming from the feature box
VSYNC	Pulse derived of 530 s-circuit behind the HOP, to vertically synchronize the Painter
VL	Variable Level out: processed audio output towards external amplifier
WYSIWYR	What You See Is What You Record: record selection that follows main picture and sound
XTAL	Quartz crystal
Y-100	Y from Feature Box
Y-OUT	Luminance-signal to HOP IC
Y-scavem	Y-scavem signal needed for sharpening vertical lines via scan velocity modulation

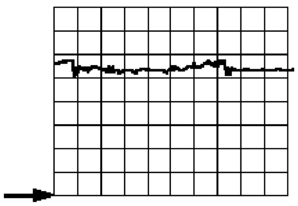
EM1.1U AA(7644)


50V / div DC
2ms / div
P01


50V / div DC
2us / div
P02


50V / div DC
2us / div
P03

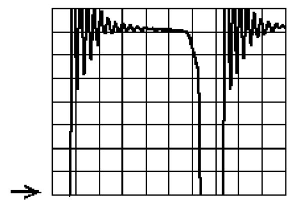

200mV/div DC
5us/div
P04

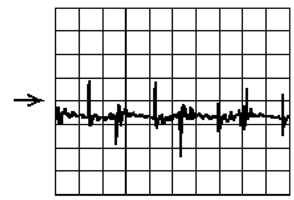

2V / div DC
2us / div
P05

P6 VBATT=140Vdc

P7 Sound Supply =33Vdc

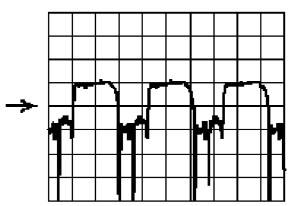
P06, P07

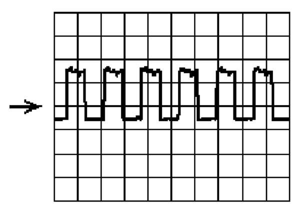

50V/div DC
2us/div
P13

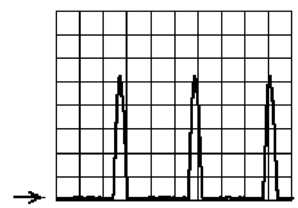

200mV/div DC
5us/div
P15

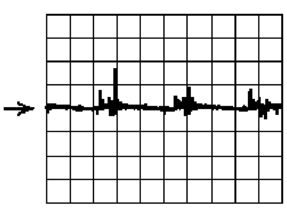
P16 = 5.2V DC

P16


1V/div DC
10us/div
L02


1V/div DC
20us/div
L03

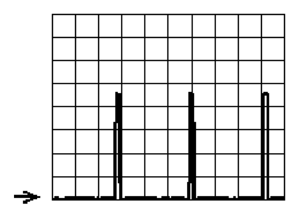

50V/div DC
10us/div
L04

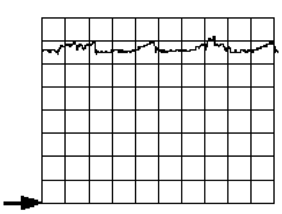

1V/div DC
10us/div
L05

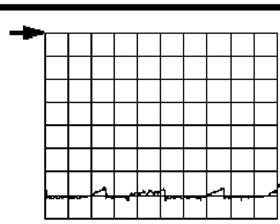

1V/div DC
10us/div
L06

L07
+11D=11.6Vdc

L07

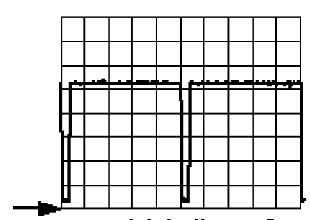

1V/div DC
20us/div
L08

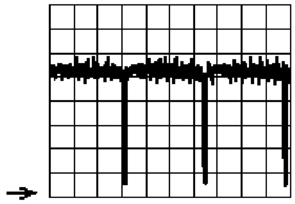

2V / div AC
5us / div
L09+13V_Lot

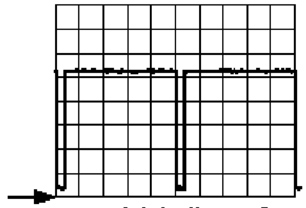

2V / div AC
5us / div
L10 - 15V_Lot

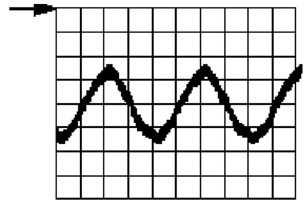
L11 = 180V DC

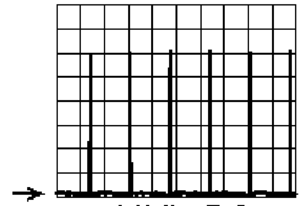
L11

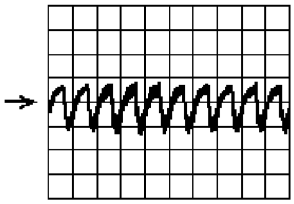

0.2V / div AC
2ms / div
F01

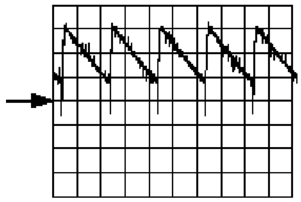

500mV/div DC
5ms/div
F02

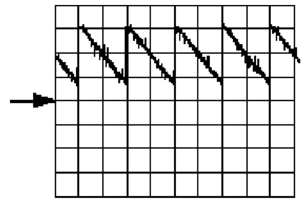

0.2V / div AC
2ms / div
F03

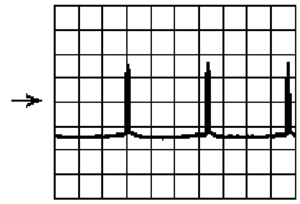

20V / div DC
5ms / div
F04

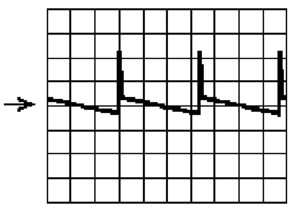

2V/div DC
10ms/div
F05

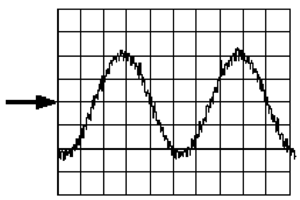

1V / div DC
20ms / div
F06

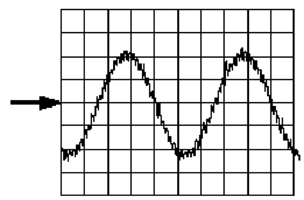

0.2V / div DC
10ms / div
F07

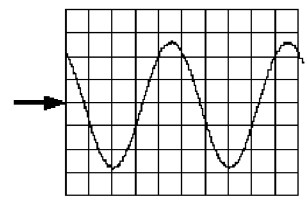

0.2V / div DC
10ms / div
F08IN+

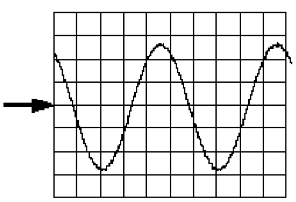

10V/div DC
5ms/div
F09

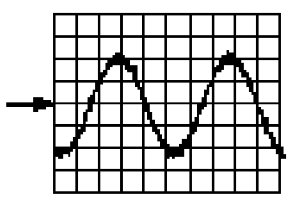

20V/div DC
5ms/div
F10

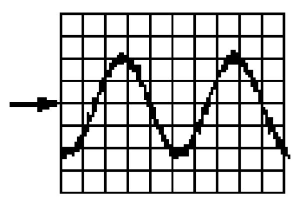

0.2V / div AC
0.2ms / div
A01

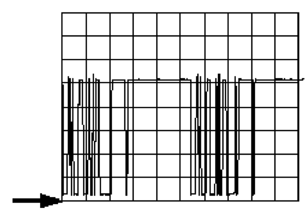

0.2V / div AC
0.2ms / div
A02

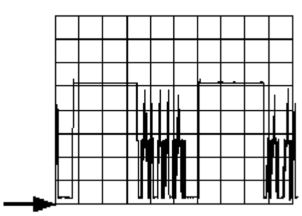

5V / div AC
0.2ms / div
A03


5V / div AC
0.2ms / div
A04

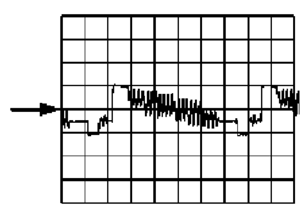

0.2V / div AC
0.2ms / div
A14

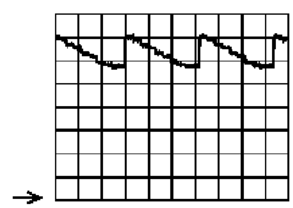

0.2V / div AC
0.2ms / div
A15


1V / div DC
0.2ms / div
I2 SCL

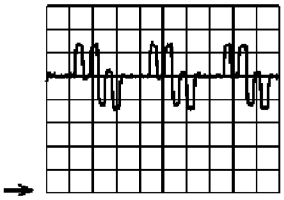

1V / div DC
0.2ms / div
I3 SDA

P17 = 8V DC
P17


0.5V / div AC
10µs / div
V2 CVBS_INT

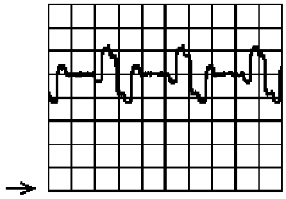

500mV/div DC
20us/div
V06

EM1.1U AA(7644)



500mV/div DC
20us/div

V07



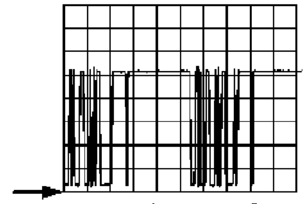
500mV/div DC
20us/div

V08



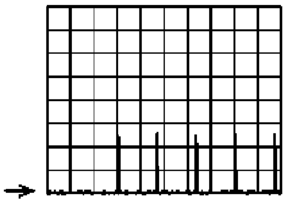
1V / div DC
0.2ms / div

V9 SDA



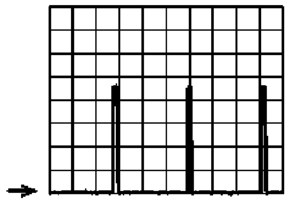
1V / div DC
0.2ms / div

V10 SCL



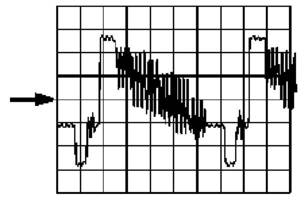
2V/div DC
10ms/div

F14



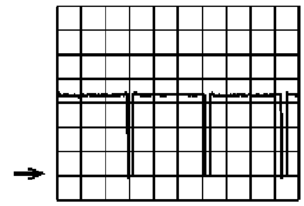
1V/div DC
20us/div

L08



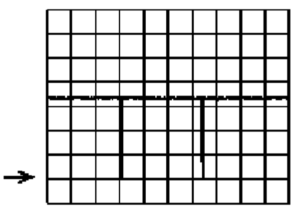
0.5V / div AC
10µs / div

I6 VIF - out



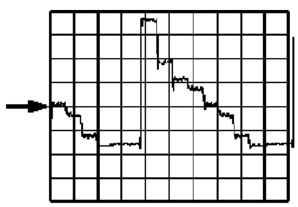
1V/div DC
10us/div

S03



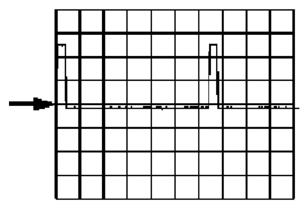
1V/div DC
5ms/div

S04



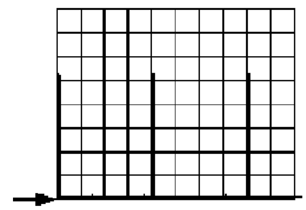
0.2V / div AC
10µs / div

S5 Y-IN



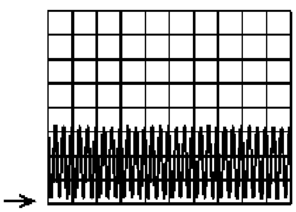
2V / div AC
10µs / div

S06 H-A



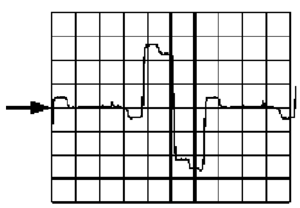
1V / div AC
5ms / div

S07 V-A



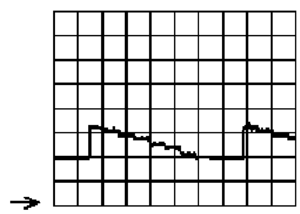
1V/div DC
250ns/div

S08



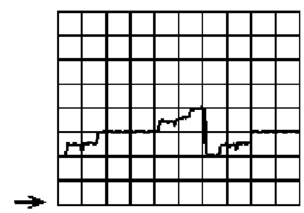
0.2V / div AC
10µs / div

V13 V-IN



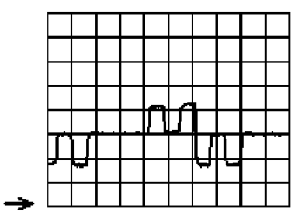
500mV/div DC
5us/div

V14



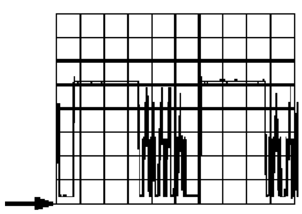
500mV/div DC
5us/div

V15



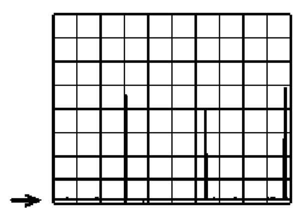
500mV/div DC
5us/div

V16



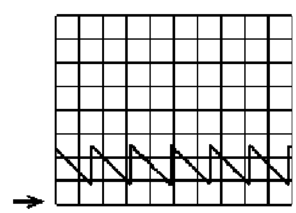
1V / div DC
0.2ms / div

V17 SCL



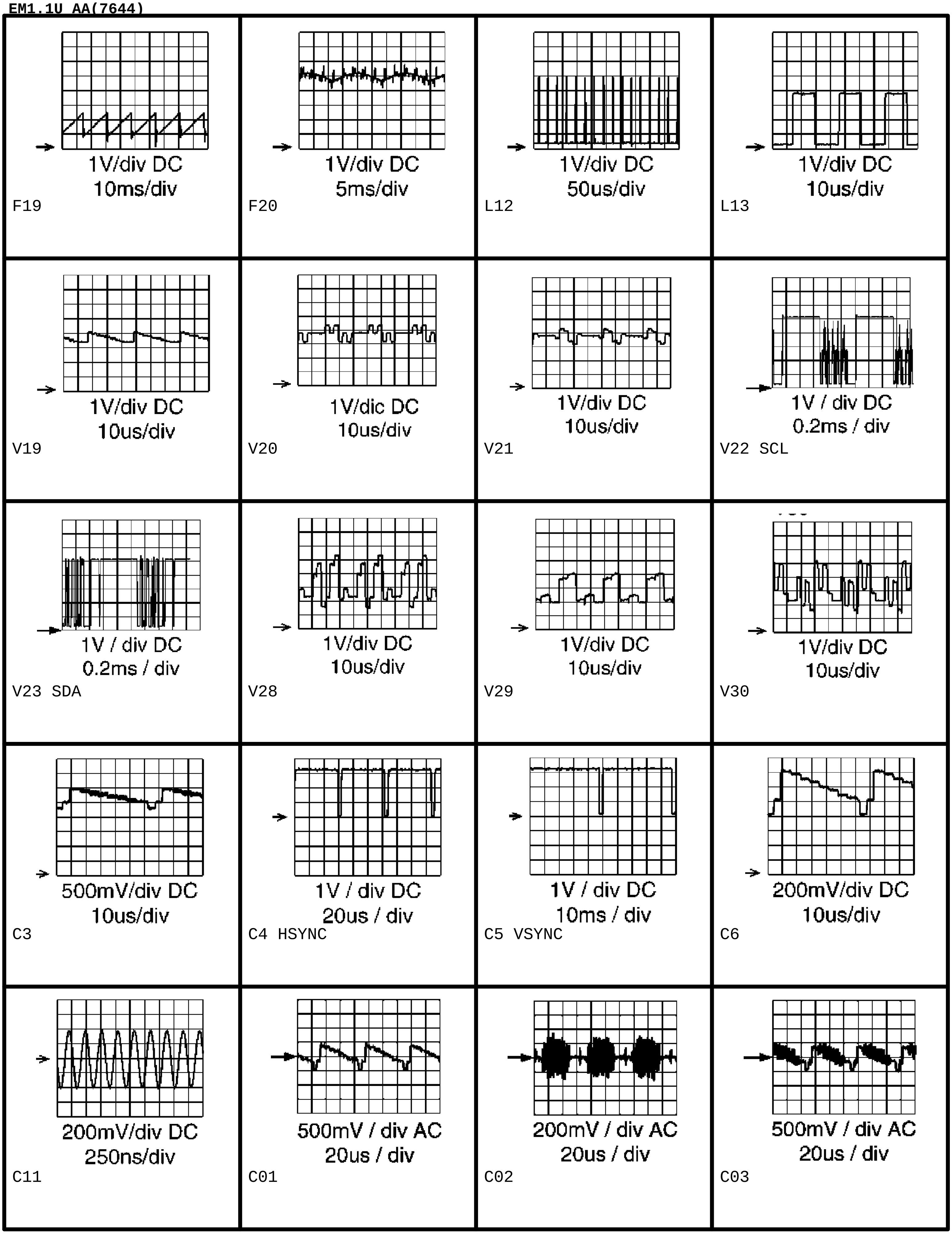
1V/div DC
5ms/div

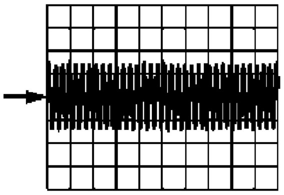
F17



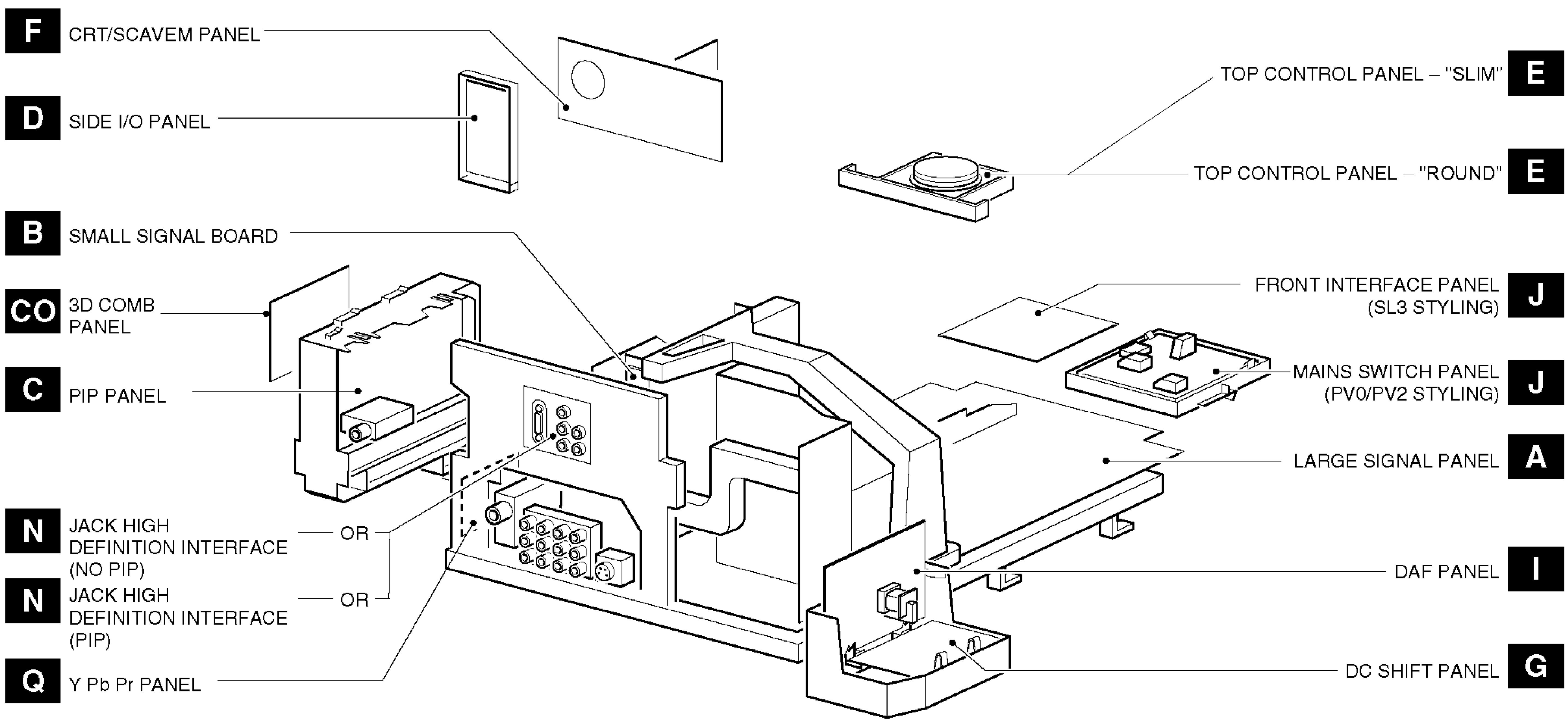
1V/div DC
10ms/div

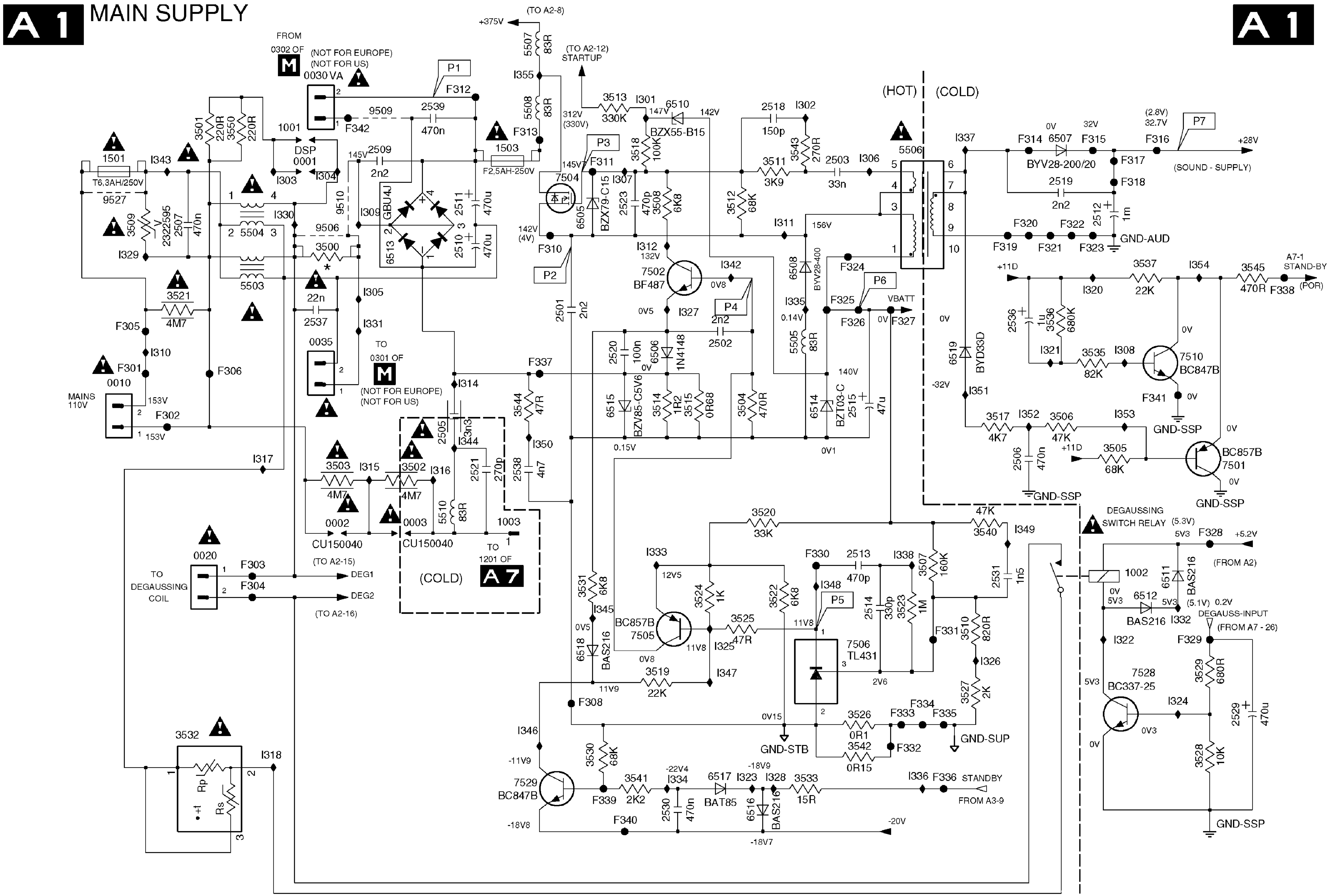
F18

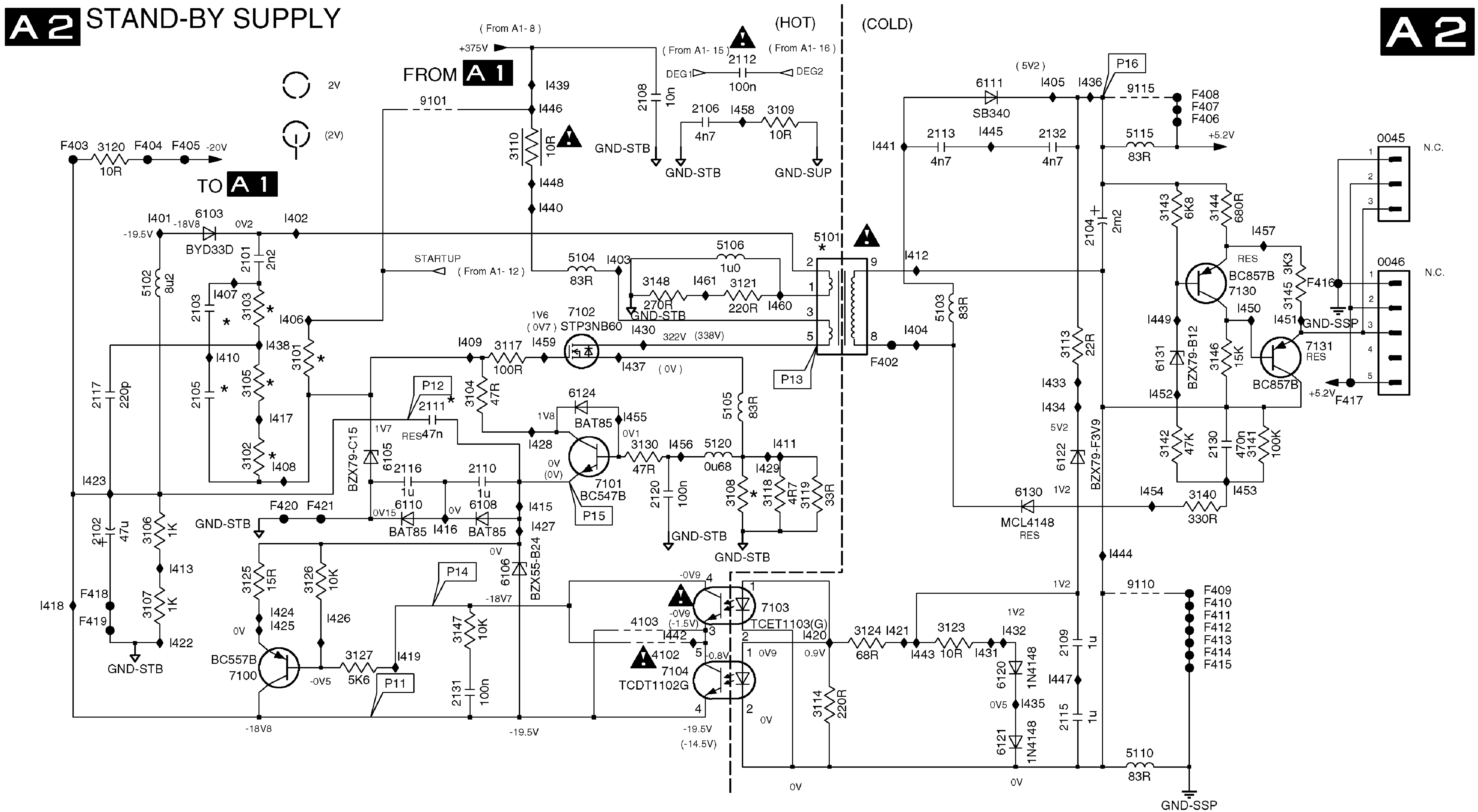

1V/div DC
10ms/div
F19
1V/div DC
5ms/div
F20
1V/div DC
50us/div
L12
1V/div DC
10us/div
L13
1V/div DC
10us/div
V19
1V/dic DC
10us/div
V20
1V/div DC
10us/div
V21
1V / div DC
0.2ms / div
V22 SCL
1V / div DC
0.2ms / div
V23 SDA
1V/div DC
10us/div
V28
1V/div DC
10us/div
V29
1V/div DC
10us/div
V30
500mV/div DC
10us/div
C3
1V / div DC
20us / div
C4 HSYNC
1V / div DC
10ms / div
C5 VSYNC
200mV/div DC
10us/div
C6
200mV/div DC
250ns/div
C11
500mV / div AC
20us / div
C01
200mV / div AC
20us / div
C02
500mV / div AC
20us / div
C03



C04


F CRT/SCAVEM PANEL
D SIDE I/O PANEL
B SMALL SIGNAL BOARD
CO 3D COMB PANEL
C PIP PANEL
N JACK HIGH DEFINITION INTERFACE (NO PIP)
OR
N JACK HIGH DEFINITION INTERFACE (PIP)
OR
Q Y Pb Pr PANEL
TOP CONTROL PANEL – "SLIM" E
TOP CONTROL PANEL – "ROUND" E
FRONT INTERFACE PANEL (SL3 STYLING) J
MAINS SWITCH PANEL (PV0/PV2 STYLING) J
LARGE SIGNAL PANEL A
DAF PANEL I
DC SHIFT PANEL G

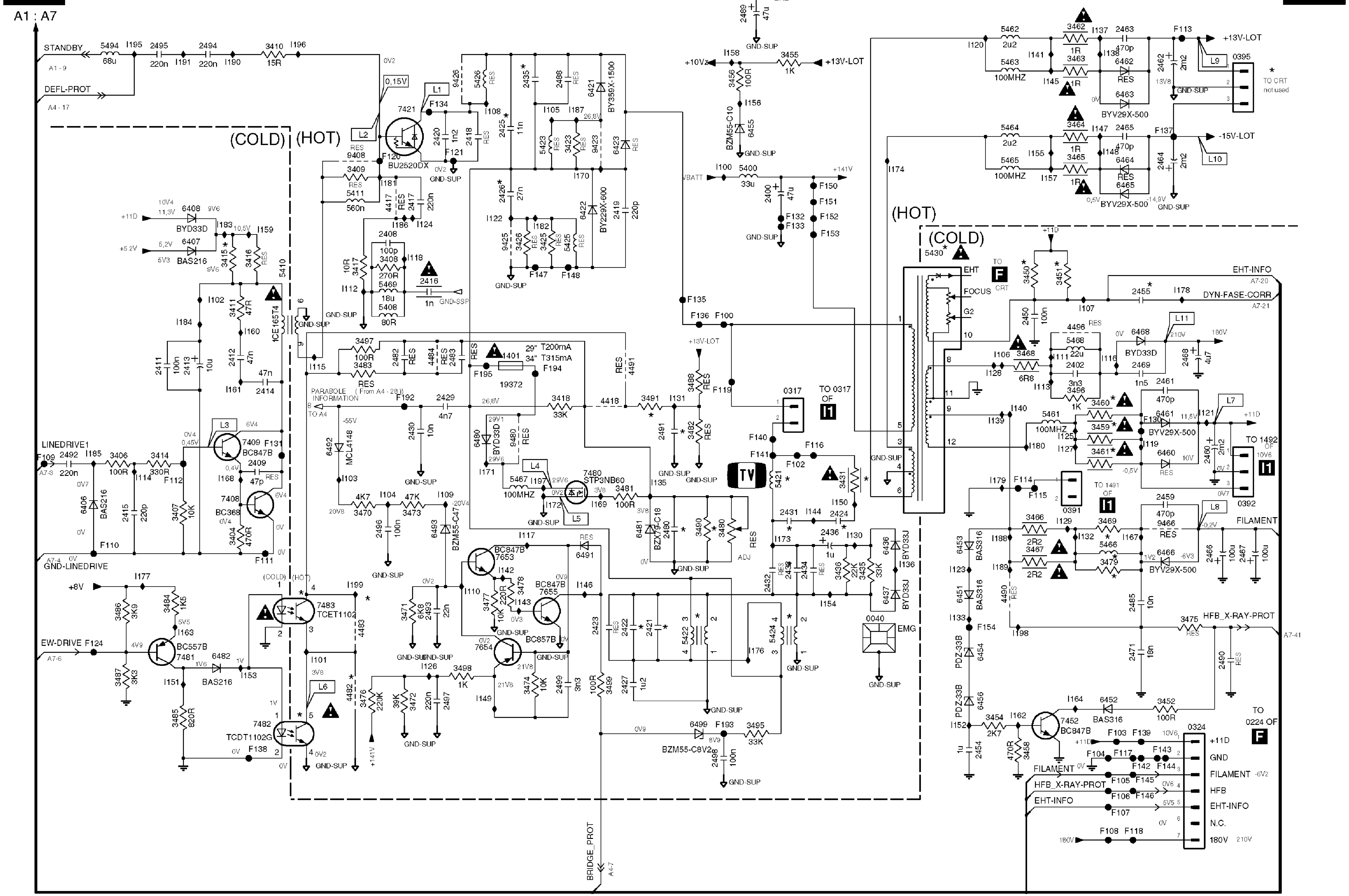

A1
MAIN SUPPLY
A1
FROM 0302 OF M
(NOT FOR EUROPE)
(NOT FOR US)
0030 VA
P1
F312
(TO A2-8)
+375V
(TO A2-12) STARTUP
(HOT)
(COLD)
T6,3AH/250V
F2,5AH-250V
GBU4J
BZX55-B15
BZX79-C15
BF487
1N4148
BZV85-C5V6
BYV28-400
BZT03-C
BYD33D
BYV28-200/20
(SOUND - SUPPLY)
+28V
GND-AUD
A7-1 STAND-BY
(POR)
BC847B
BC857B
GND-SSP
MAINS 110V
TO 0301 OF M
(NOT FOR EUROPE)
(NOT FOR US)
CU150040
(TO A2-15)
TO 1201 OF A7
(COLD)
TO DEGAUSSING COIL
DEG1
DEG2
(TO A2-16)
DEGAUSSING SWITCH RELAY
+5.2V
(FROM A2)
DEGAUSS-INPUT
(FROM A7 - 26)
BC337-25
TL431
GND-STB
GND-SUP
STANDBY FROM A3-9
BAT85
BAS216
BC847B
-20V


A2 STAND-BY SUPPLY
A2
FROM A1
TO A1
(HOT)
(COLD)
(From A1- 8)
+375V
(From A1- 15)
(From A1- 16)
(From A1- 12)
STARTUP
DEG1
DEG2
2V
(2V)
-20V
GND-STB
GND-SUP
GND-SSP
N.C.
0045
0046
+5.2V
(5V2)
STP3NB60
BC547B
BC557B
BC857B
BAT85
BYD33D
SB340
MCL4148
1N4148
BZX79-C15
BZX55-B24
BZX79-B12
BZX79-F3V9
TCET1103(G)
TCDT1102G
RES
P11
P12
P13
P14
P15
P16
5101
7100
7101
7102
7103
7104
7130
7131
322V
(338V)
-19.5V
(-14.5V)
-18V8
-18V7
0V

A3 LINE DEFLECTION

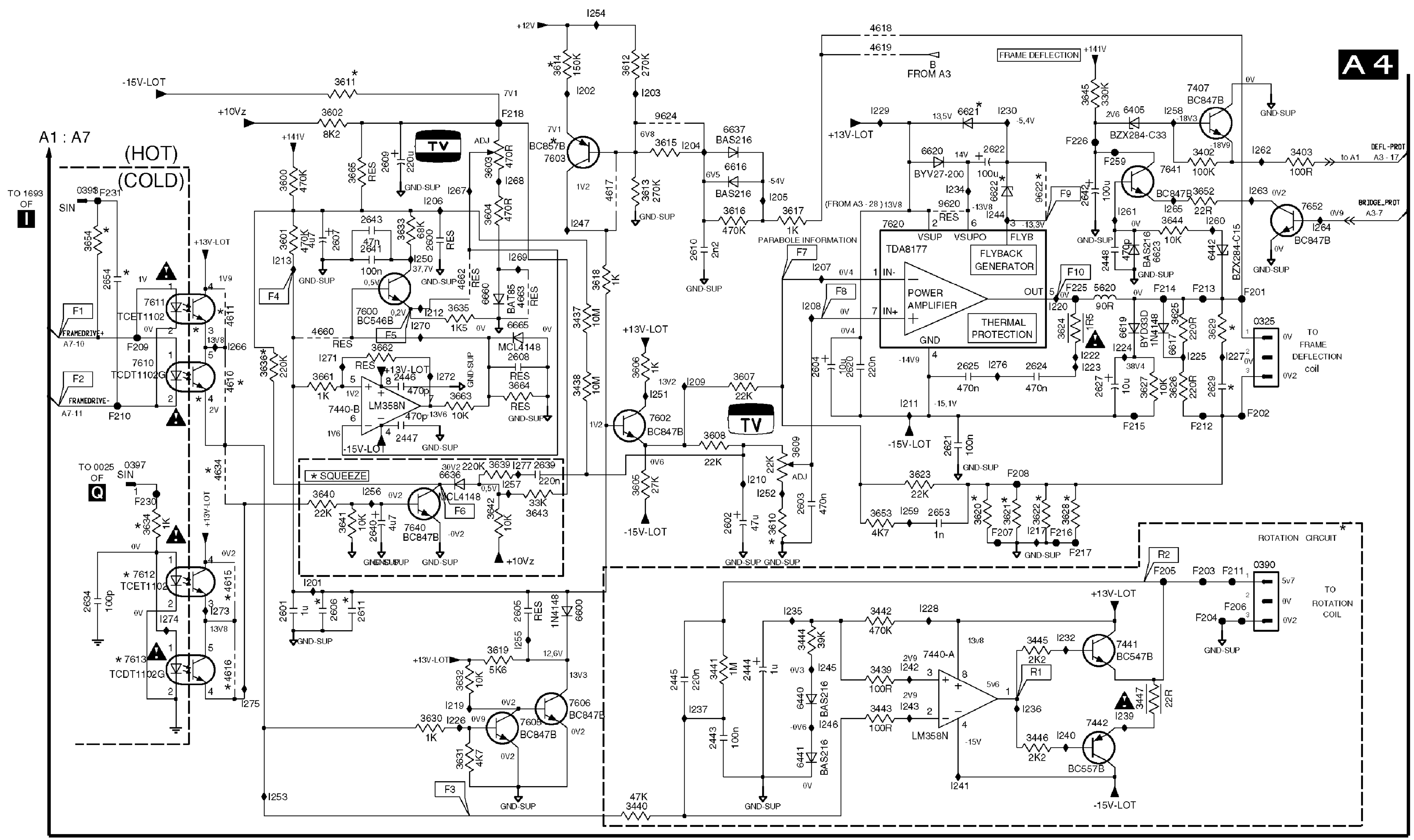
A3

A1 : A7

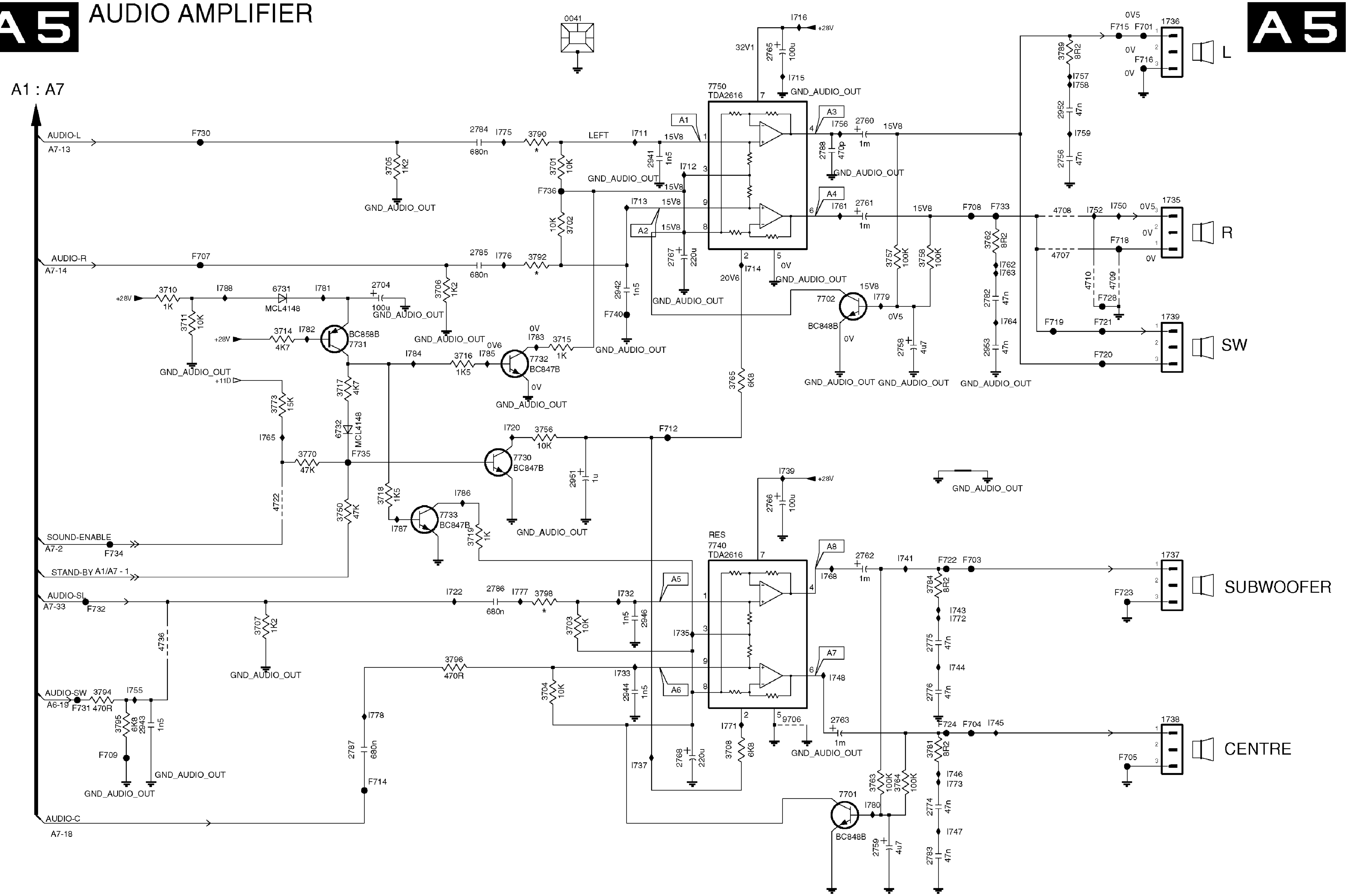


A4 FRAME DEFLECTION ROTATION

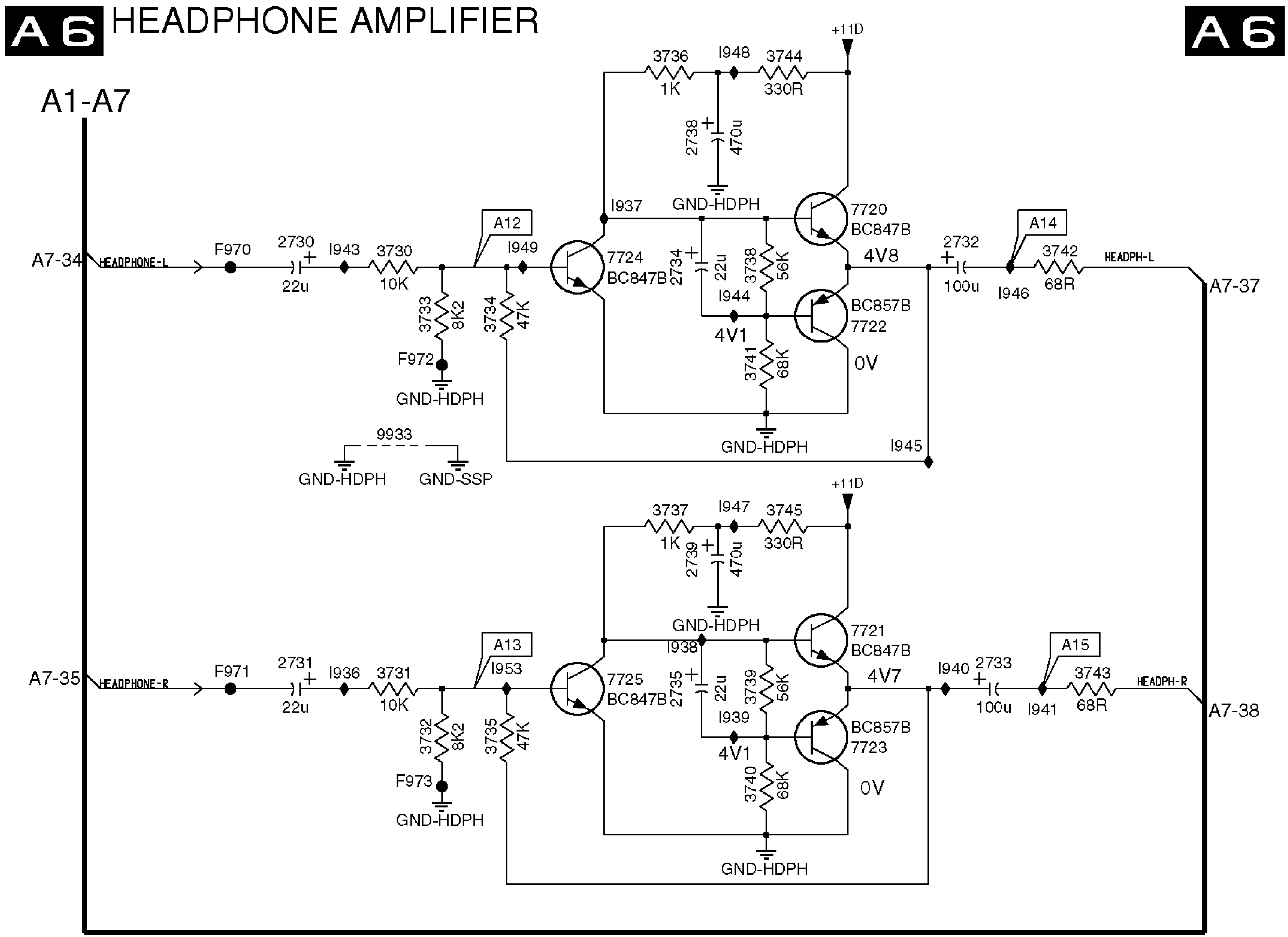
A4

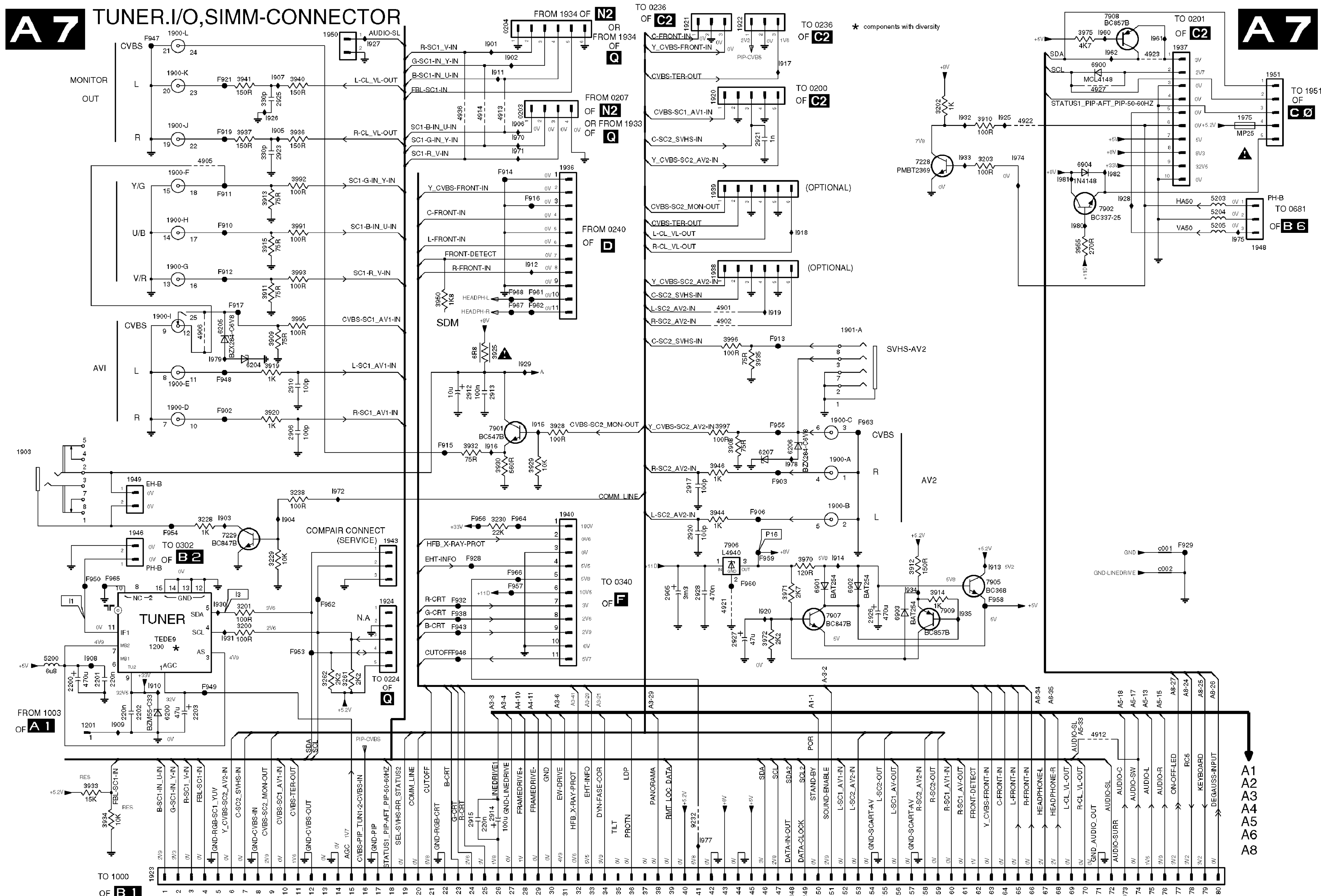


A5 AUDIO AMPLIFIER

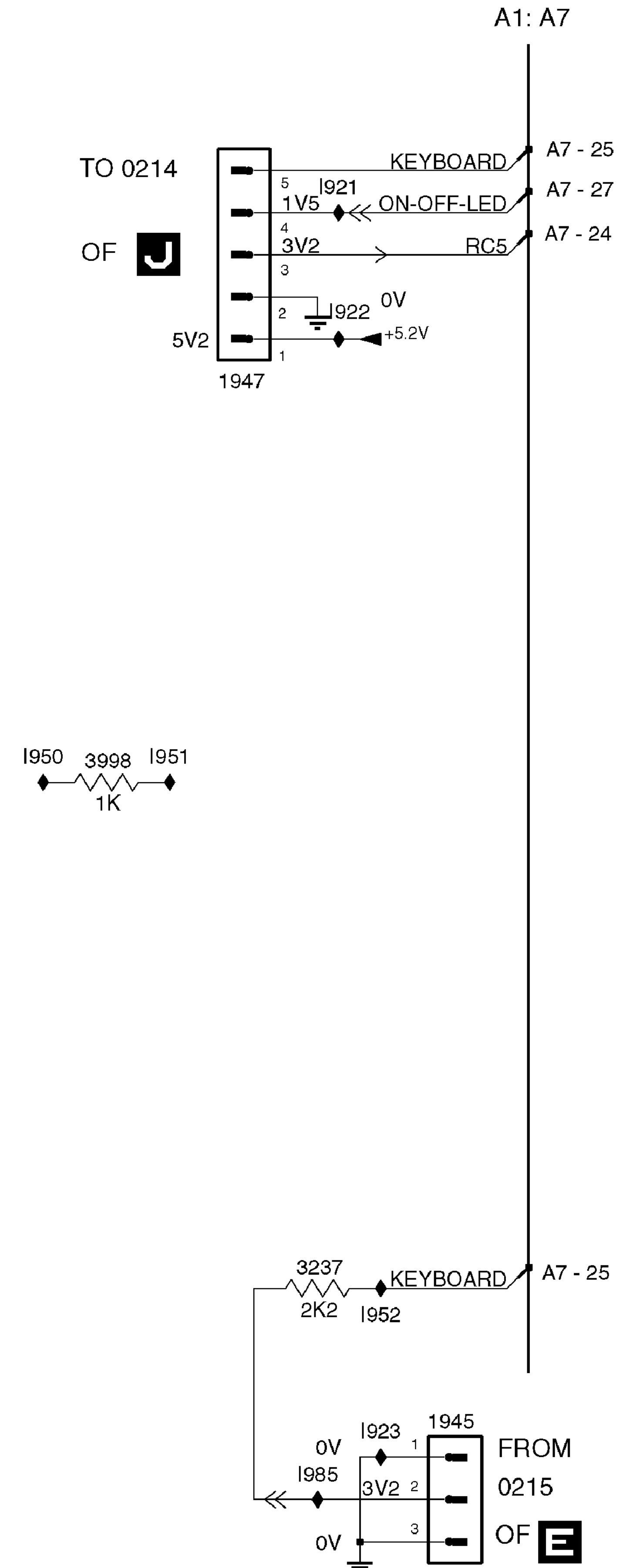


A6 HEADPHONE AMPLIFIER




A7
TUNER.I/O,SIMM-CONNECTOR
A7
MONITOR OUT
CVBS
L
R
Y/G
U/B
V/R
AVI
CVBS
L
R
TUNER
TEDE9
1200
COMPAIR CONNECT (SERVICE)
FROM 1934 OF N2 OR FROM 1934 OF Q
FROM 0207 OF N2 OR FROM 1933 OF Q
FROM 0240 OF D
TO 0236 OF C2
TO 0200 OF C2
TO 0201 OF C2
TO 1951 OF C0
TO 0681 OF B6
TO 0302 OF B2
TO 0224 OF Q
TO 0340 OF F
FROM 1003 OF A1
TO 1000 OF B1
(OPTIONAL)
SVHS-AV2
AV2
SDM
components with diversity
A1
A2
A3
A4
A5
A6
A8

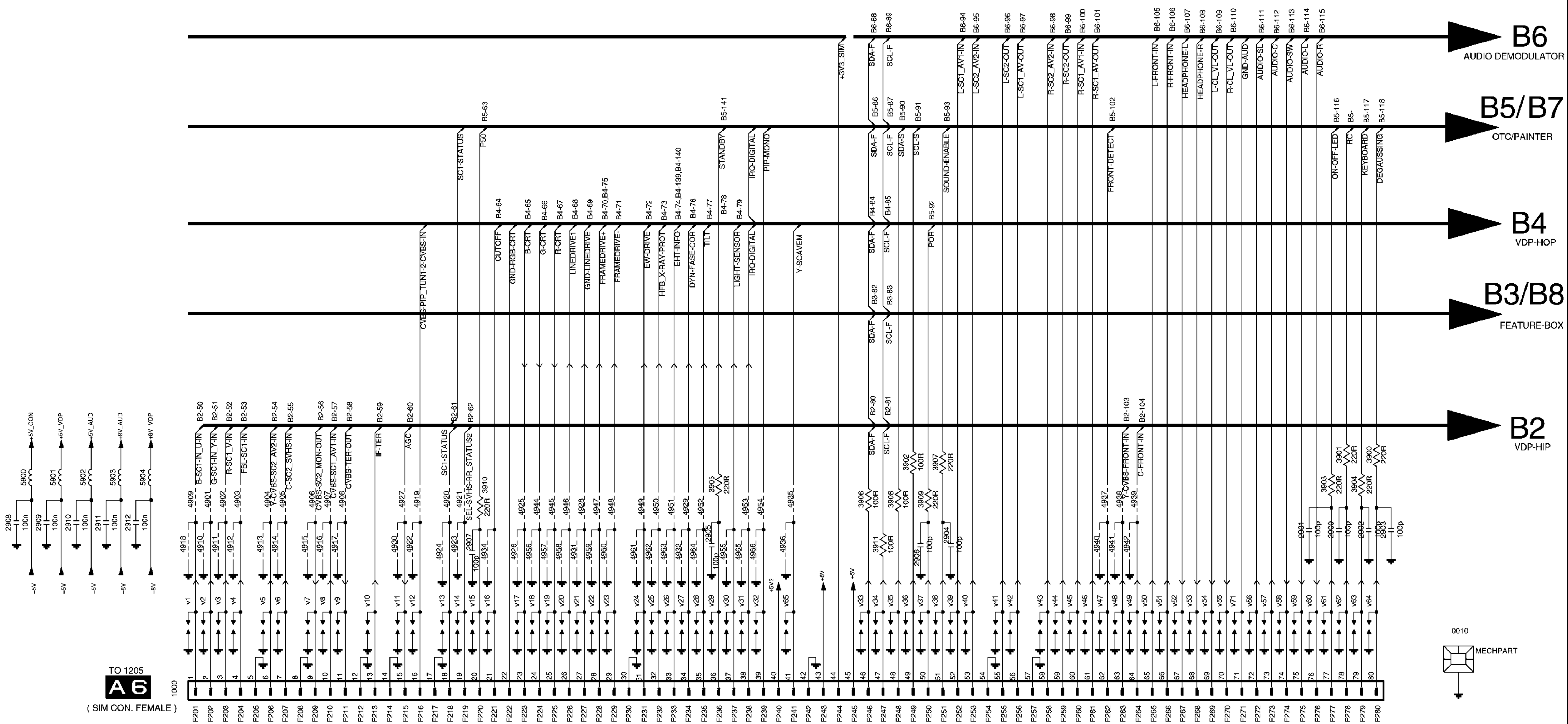
A8 FRONT



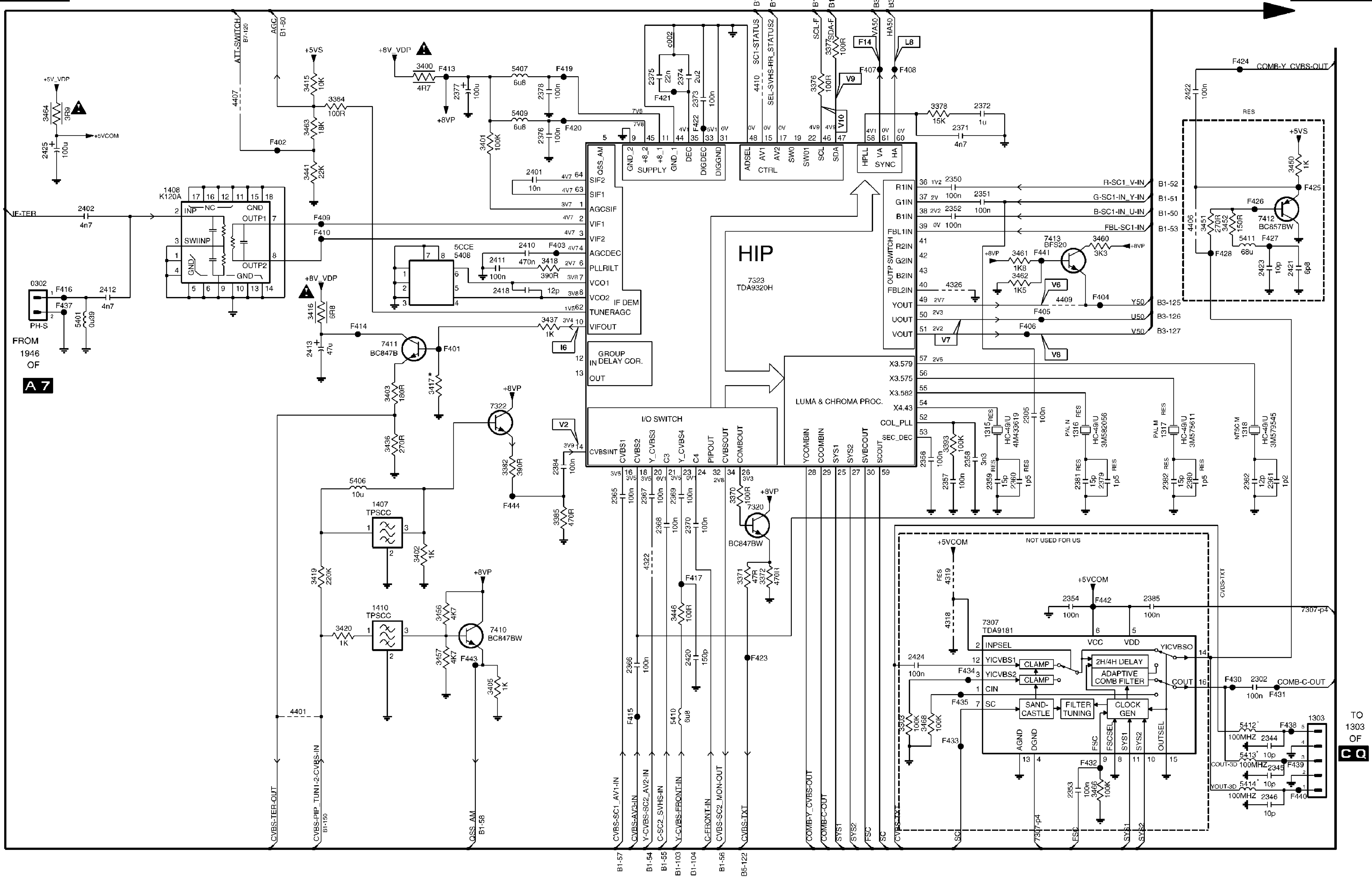
A1: A7
TO 0214
OF J
5V2
1947
5
1V5
I921
ON-OFF-LED
KEYBOARD
4
3V2
RC5
3
2
I922
0V
1
+5.2V
A7 - 25
A7 - 27
A7 - 24
I950
3998
I951
1K
3237
2K2
I952
KEYBOARD
A7 - 25
I923
1945
0V
I985
3V2
0V
FROM
0215
OF E

B 1 SIM CONNECTOR (MALE)

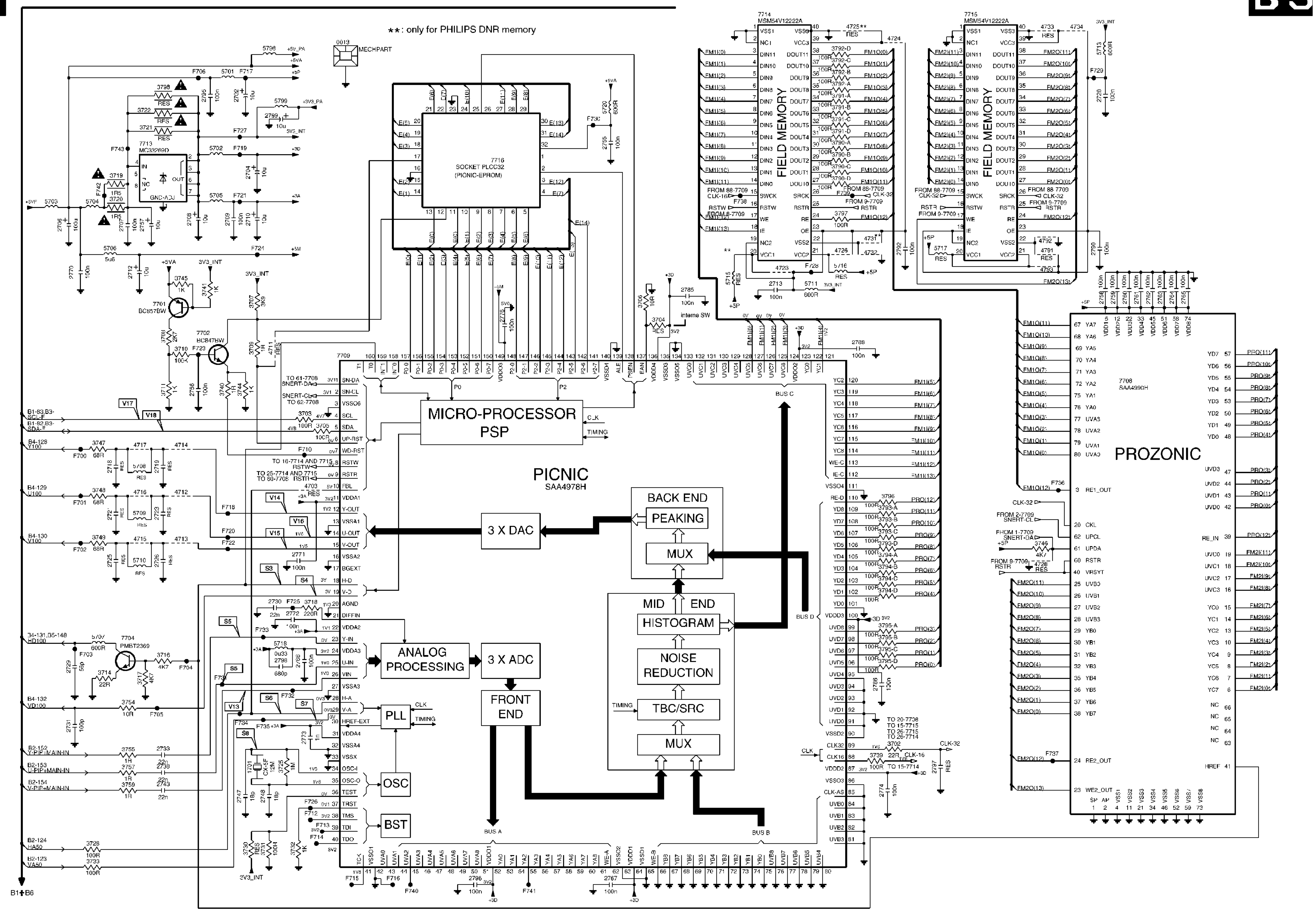
B 1

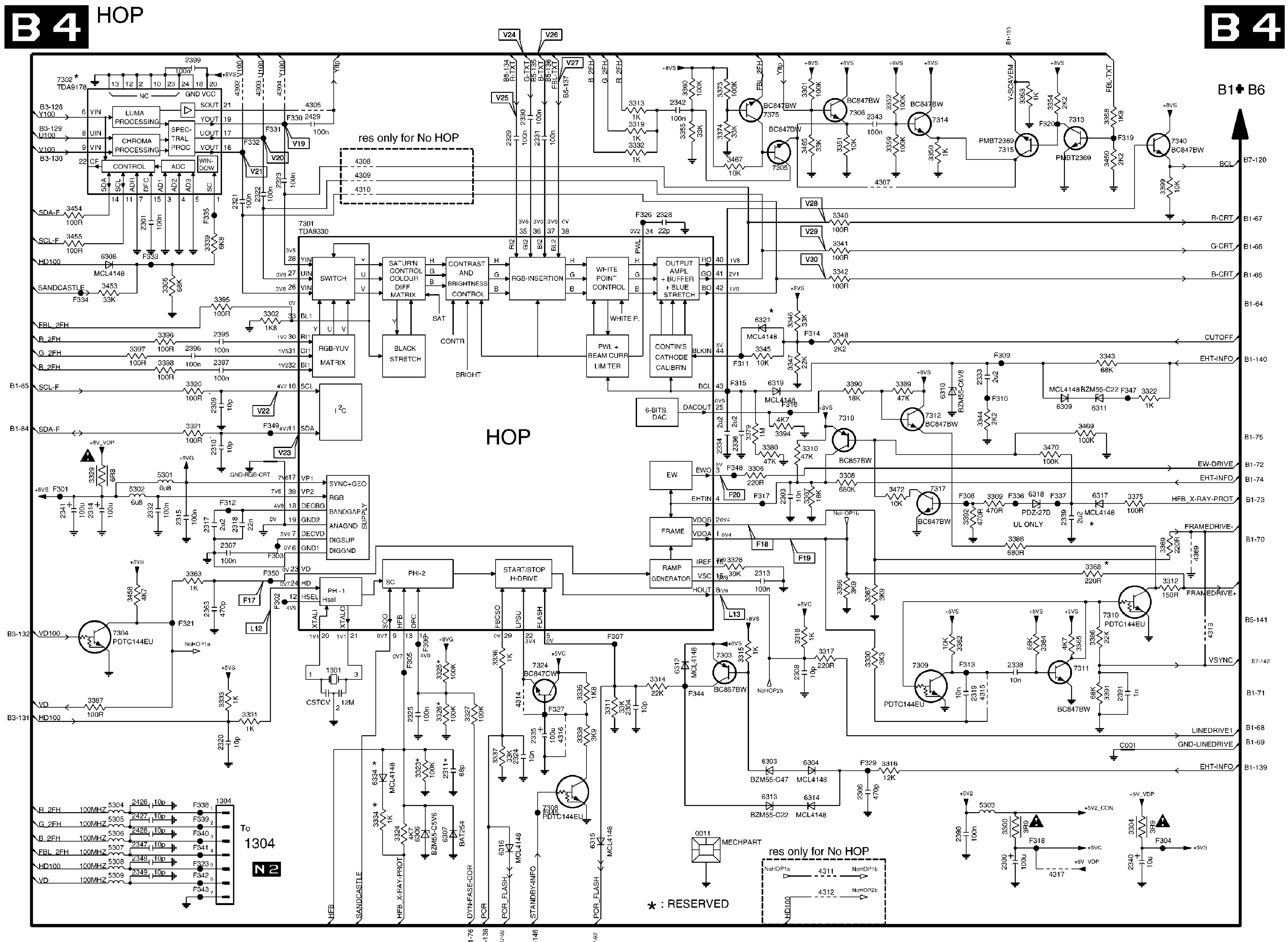


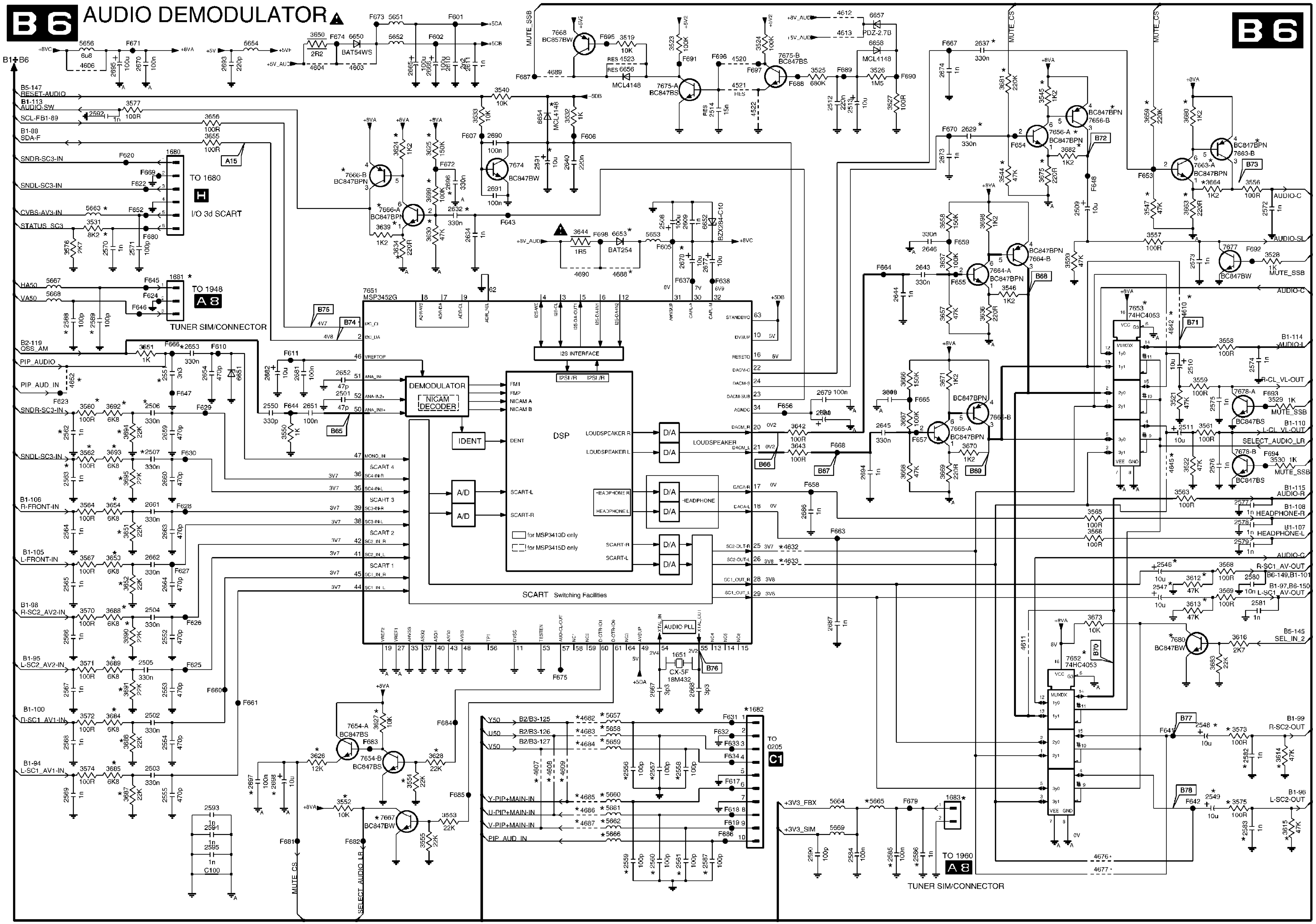
B2 IF,I/O VIDEOPROCESSING B2



B3 FEATURE BOX

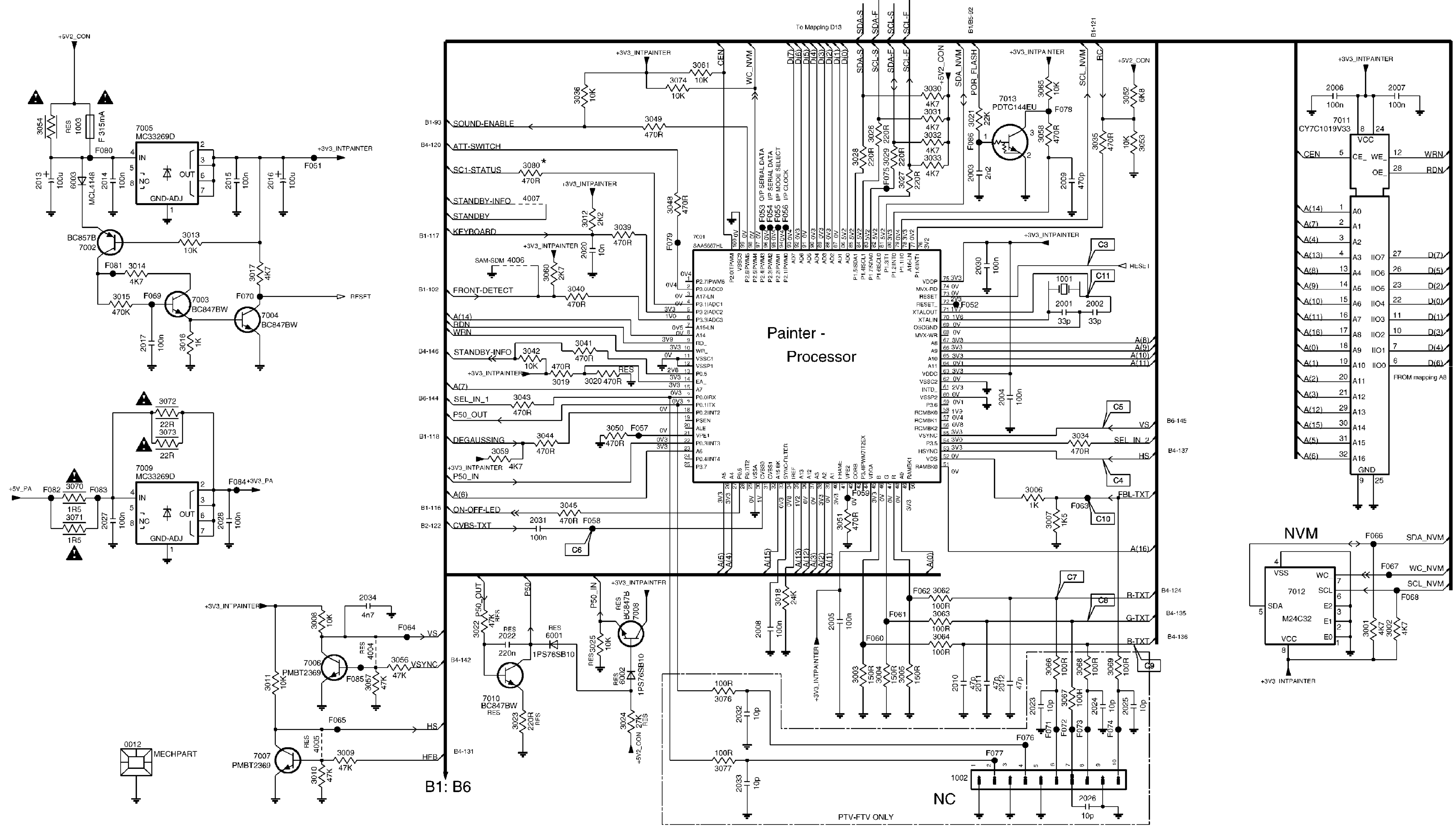


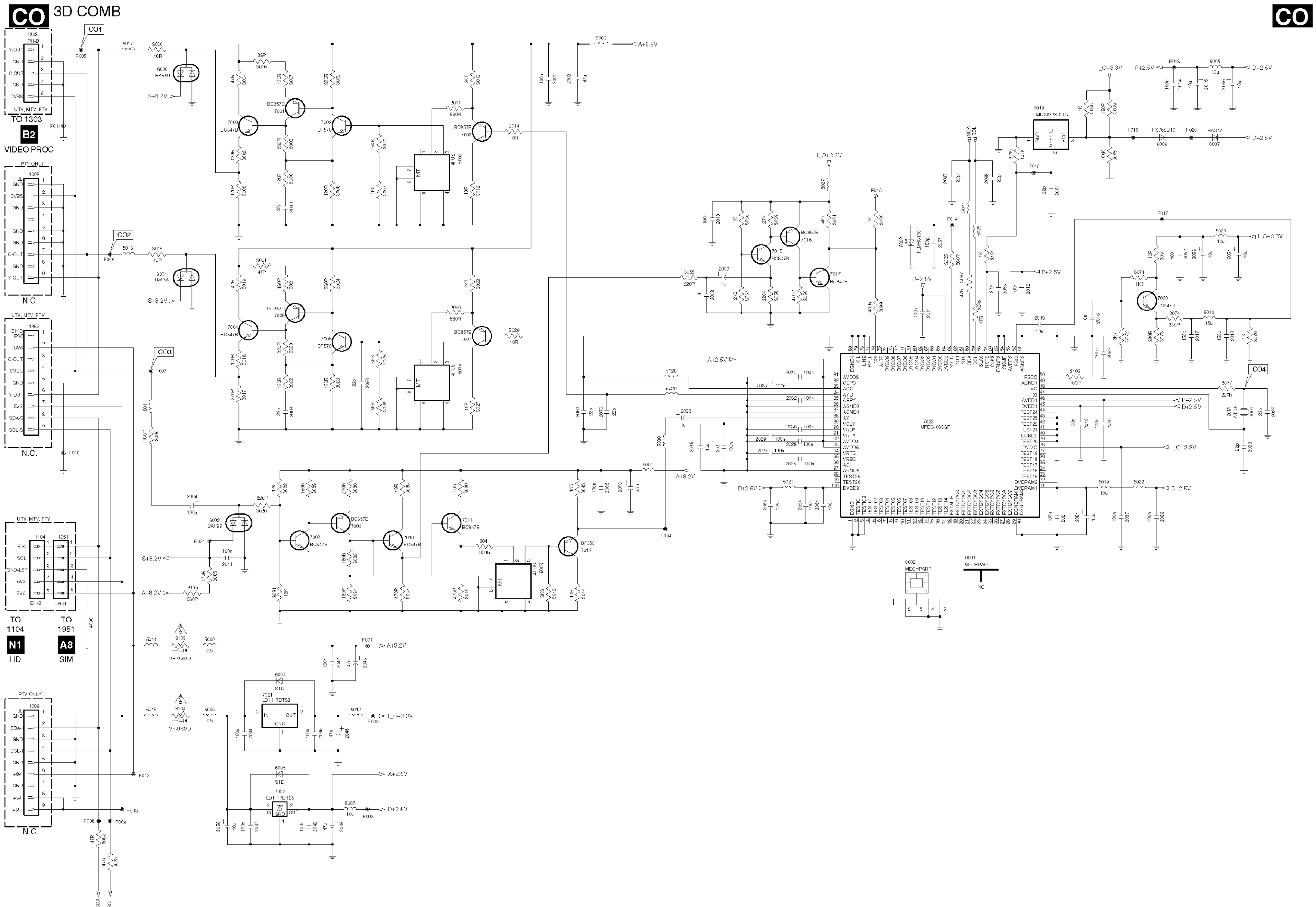

B4 HOP
B4
B1 B6
HOP
7301
TDA9330
7302
TDA9178
LUMA PROCESSING
CHROMA PROCESSING
SPEC-TRAL PROC
CONTROL
ADC
WIN-DOW
res only for No HOP
SWITCH
SATURN CONTROL COLOUR DIFF MATRIX
CONTRAST AND BRIGHTNESS CONTROL
RGB-INSERTION
WHITE POINT CONTROL
OUTPUT AMPL + BUFFER + BLUE STRETCH
RGB-YUV MATRIX
BLACK STRETCH
PWL + BEAM CURR LIMITER
CONTIN'S CATHODE CALIBR'N
6-BITS DAC
EW
FRAME
RAMP GENERATOR
SYNC+GEO
RGB
BANDGAP
ANAGND
DIGSUP
DIGGND
SUPPLY
PHI-2
PH-1
START/STOP H-DRIVE
R-CRT
G-CRT
B-CRT
CUTOFF
EHT-INFO
EW-DRIVE
HFB_X-RAY-PROT
FRAMEDRIVE-
FRAMEDRIVE+
VSYNC
LINEDRIVE1
GND-LINEDRIVE
BCL
SDA-F
SCL-F
HD100
SANDCASTLE
FBL_2FH
R_2FH
G_2FH
B_2FH
VD
VD100
To 1304
N2
MECHPART
UL ONLY
* : RESERVED


B6 AUDIO DEMODULATOR
B6
7651
MSP3452G
DEMODULATOR
NICAM DECODER
IDENT
DSP
I2S INTERFACE
A/D
D/A
LOUDSPEAKER
HEADPHONE
SCART Switching Facilities
AUDIO PLL
for MSP3410D only
for MSP3415D only
TO 1680
I/O 3d SCART
TUNER SIM/CONNECTOR
TO 1948
TO 0205
TO 1960
7653
74HC4053
7652
74HC4053

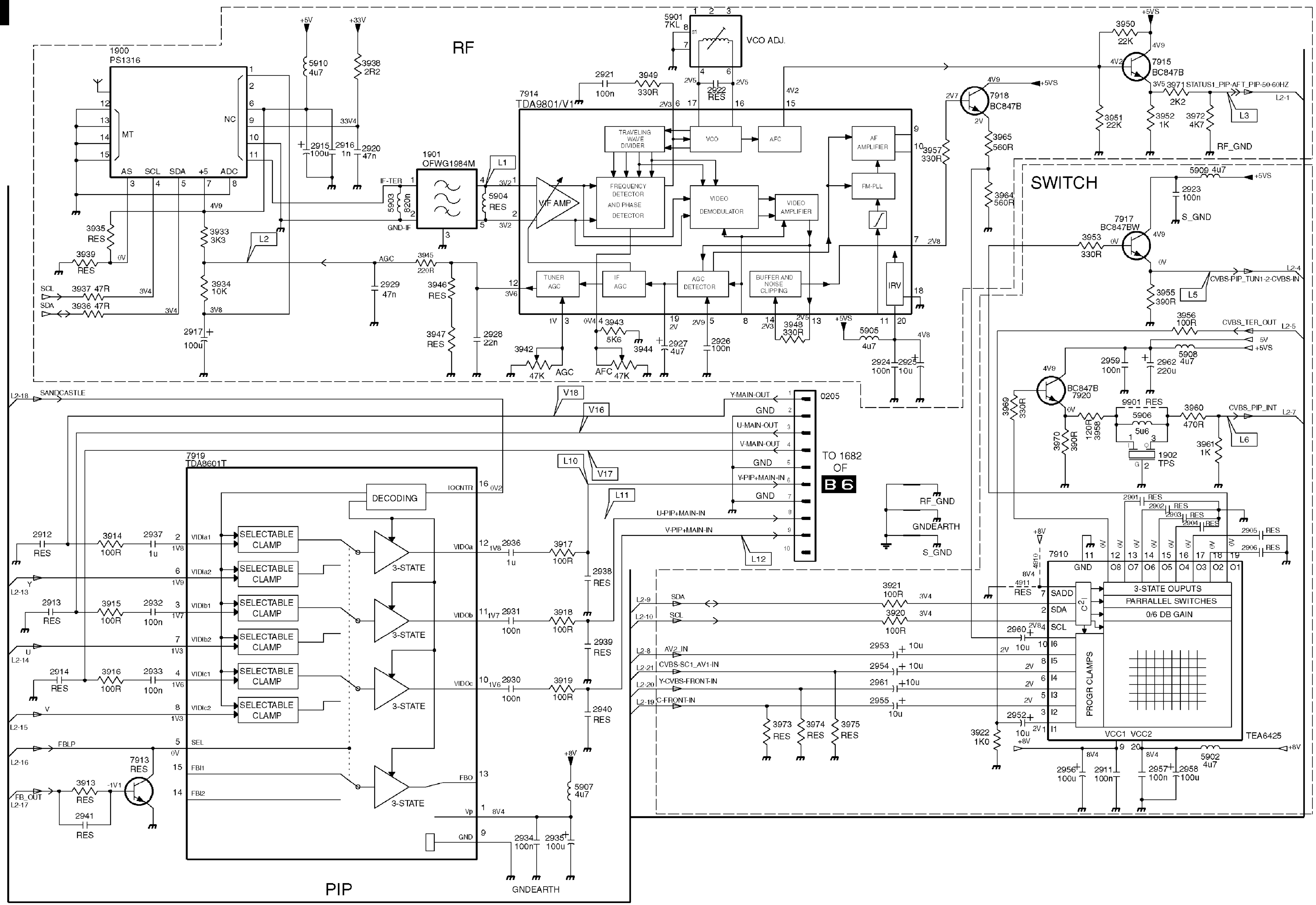
B 7 PAINTER

B 7

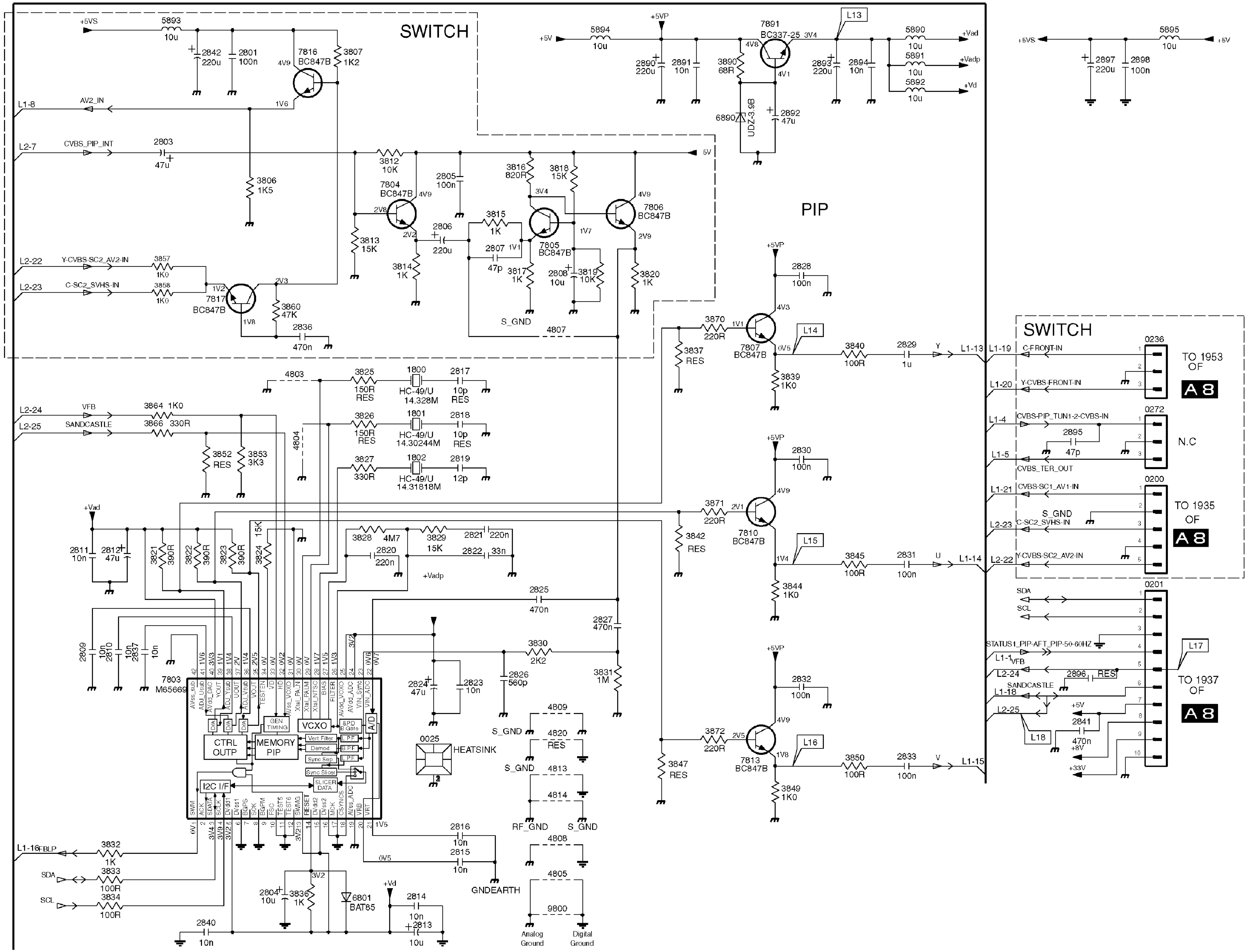



CO 3D COMB
CO
TO 1303
B2
VIDEO PROC
N.C.
TO 1104
TO 1951
N1
HD
A8
SIM
7023
UPD64083GF
7019
LM809M3X-3.08
7021
LD1117DT33
7022
LD1117DT25
MECHPART

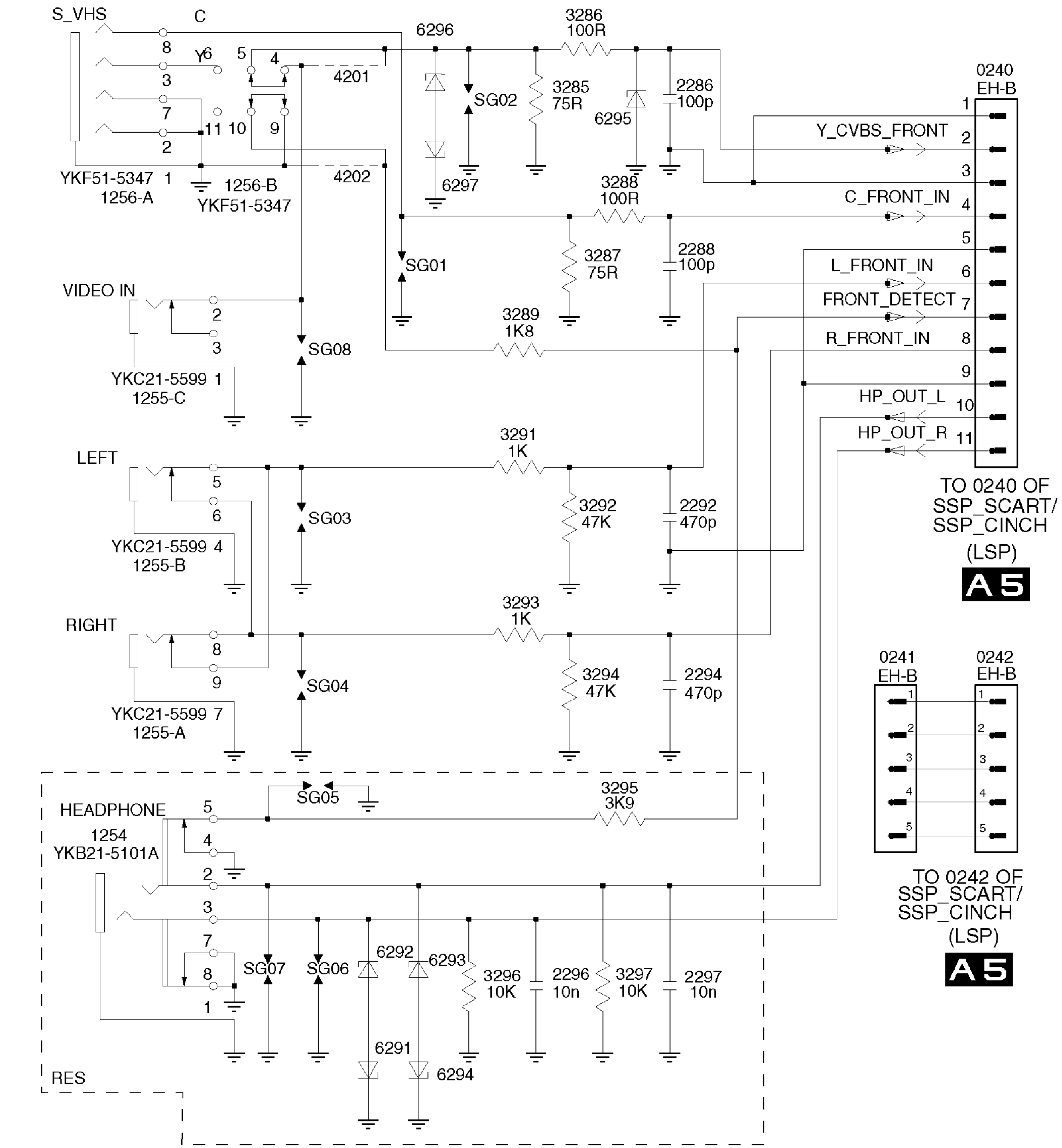
C1 PIP 2ND FRONT END



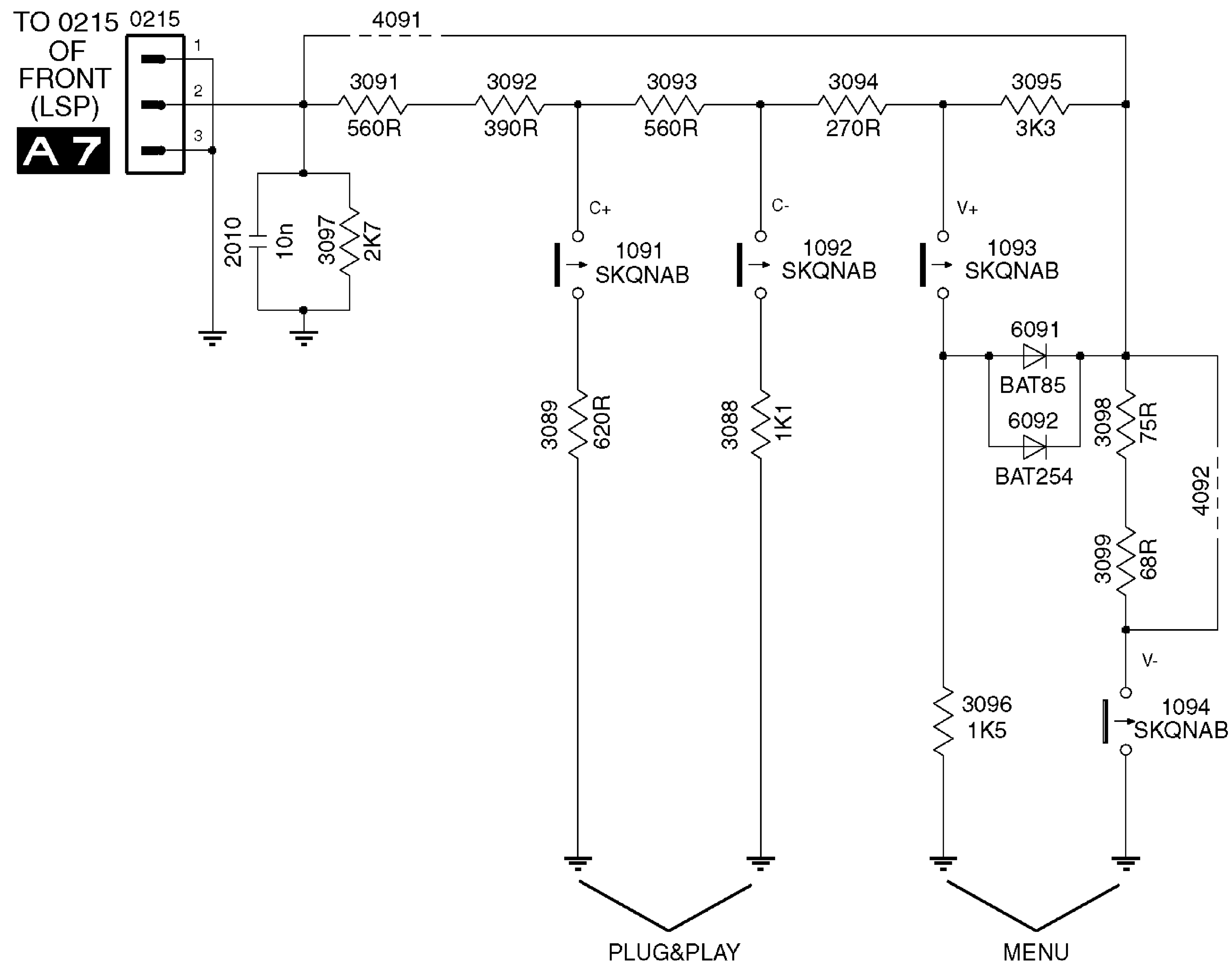
C2 PIP COLOUR



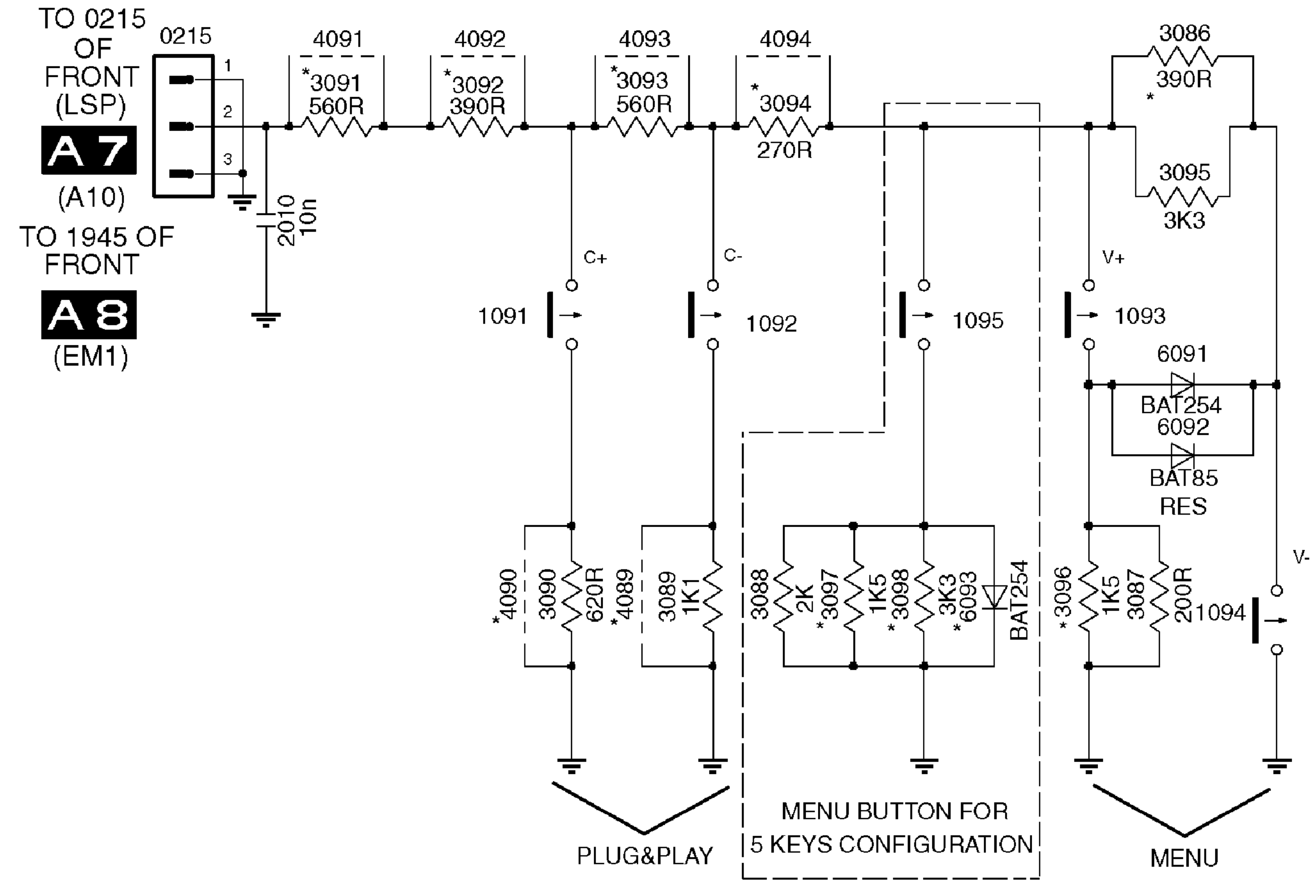
D SIDE IO PANEL

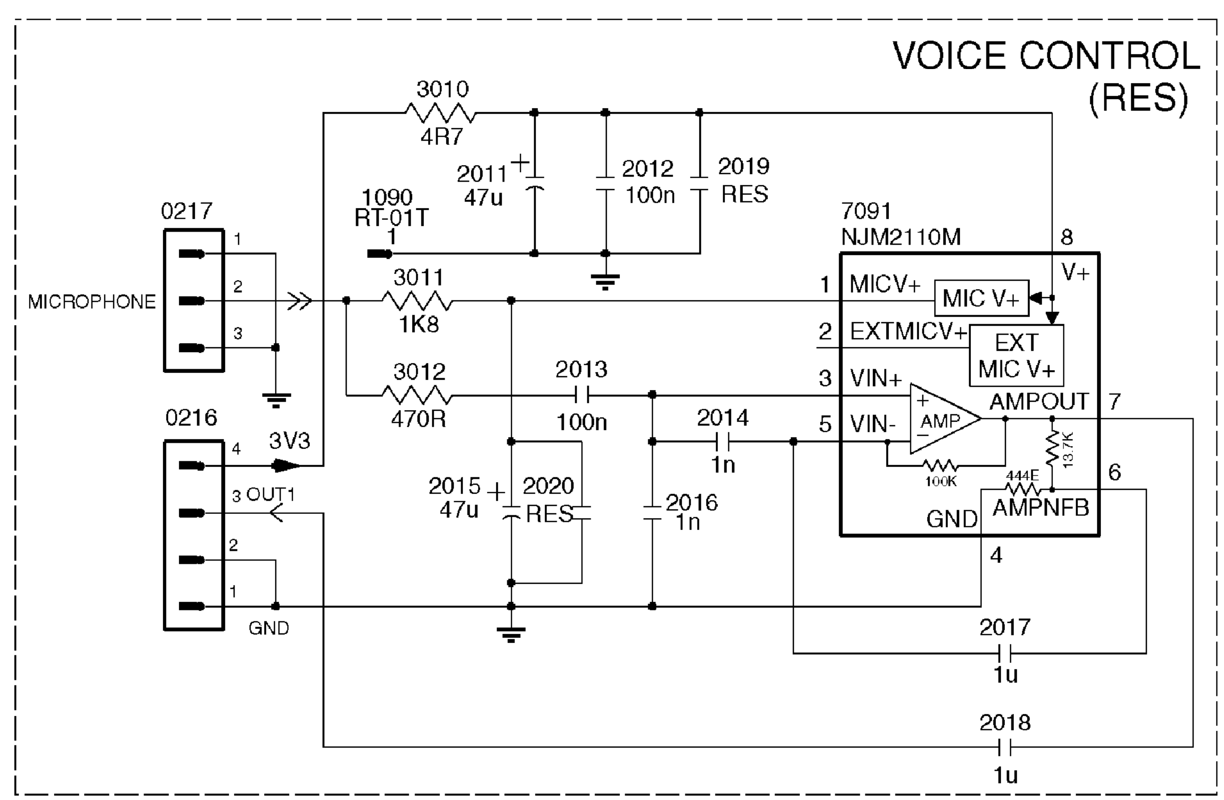


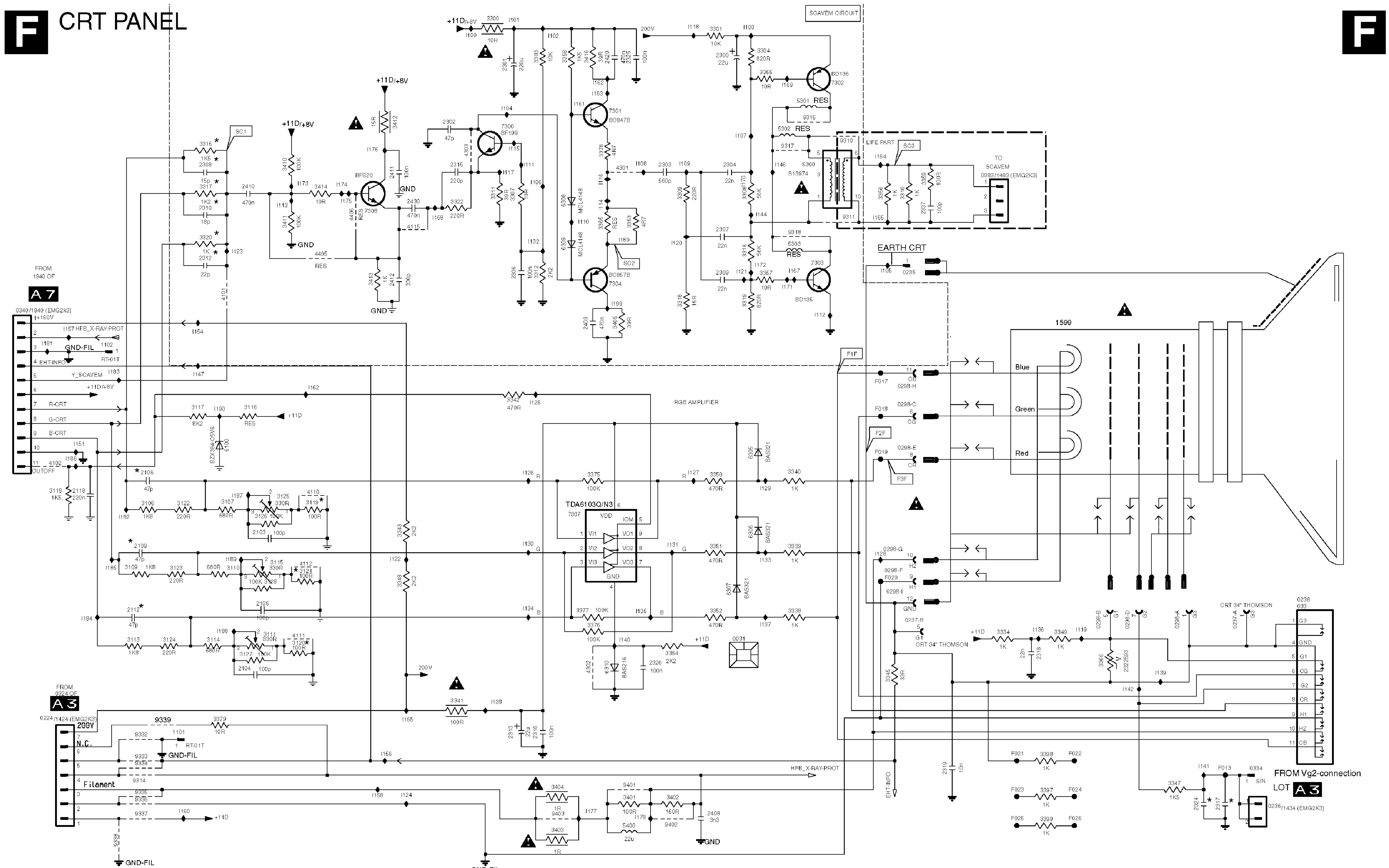
E TOP CONTROL PANEL (PV0)



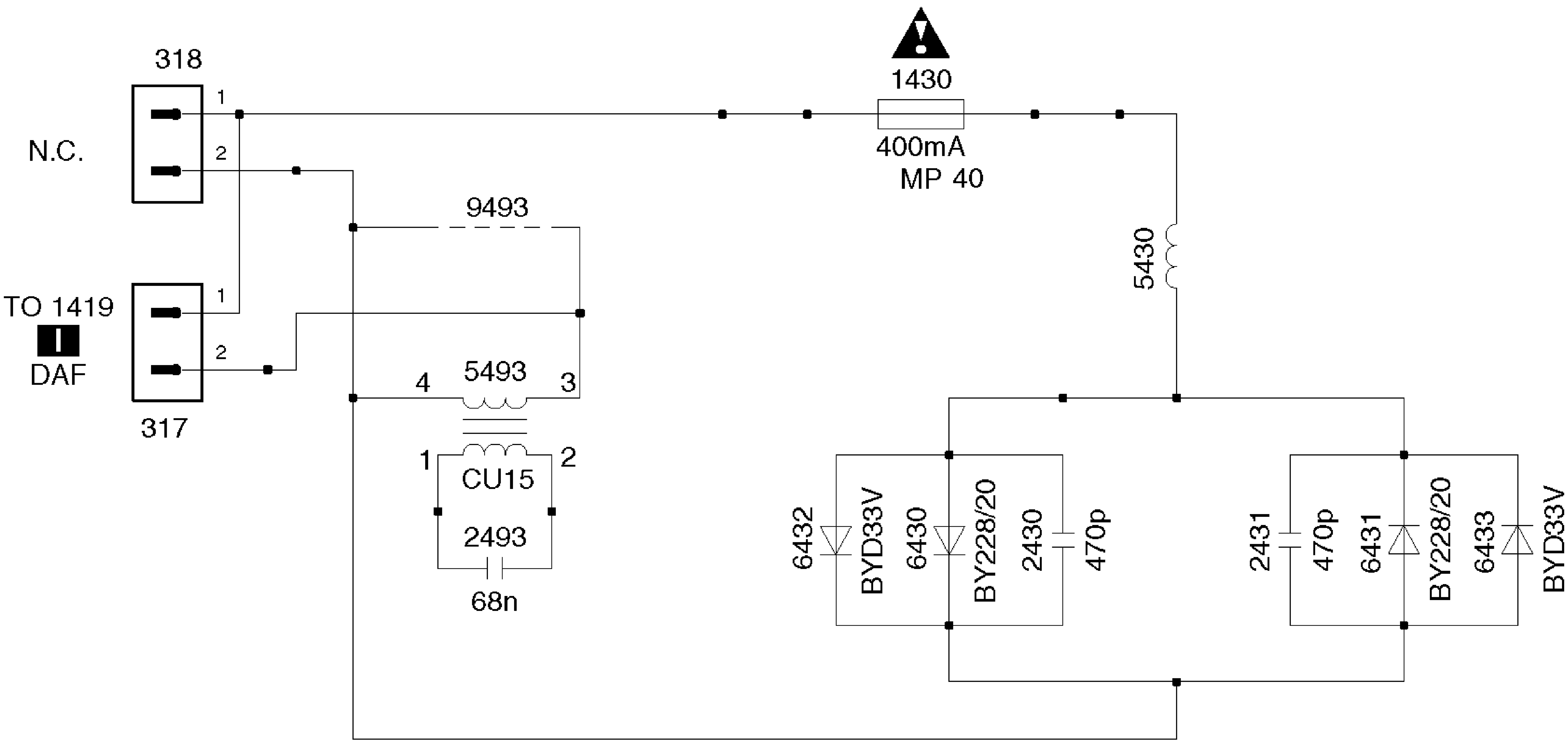
E TOP CONTROL PANEL (PV2)





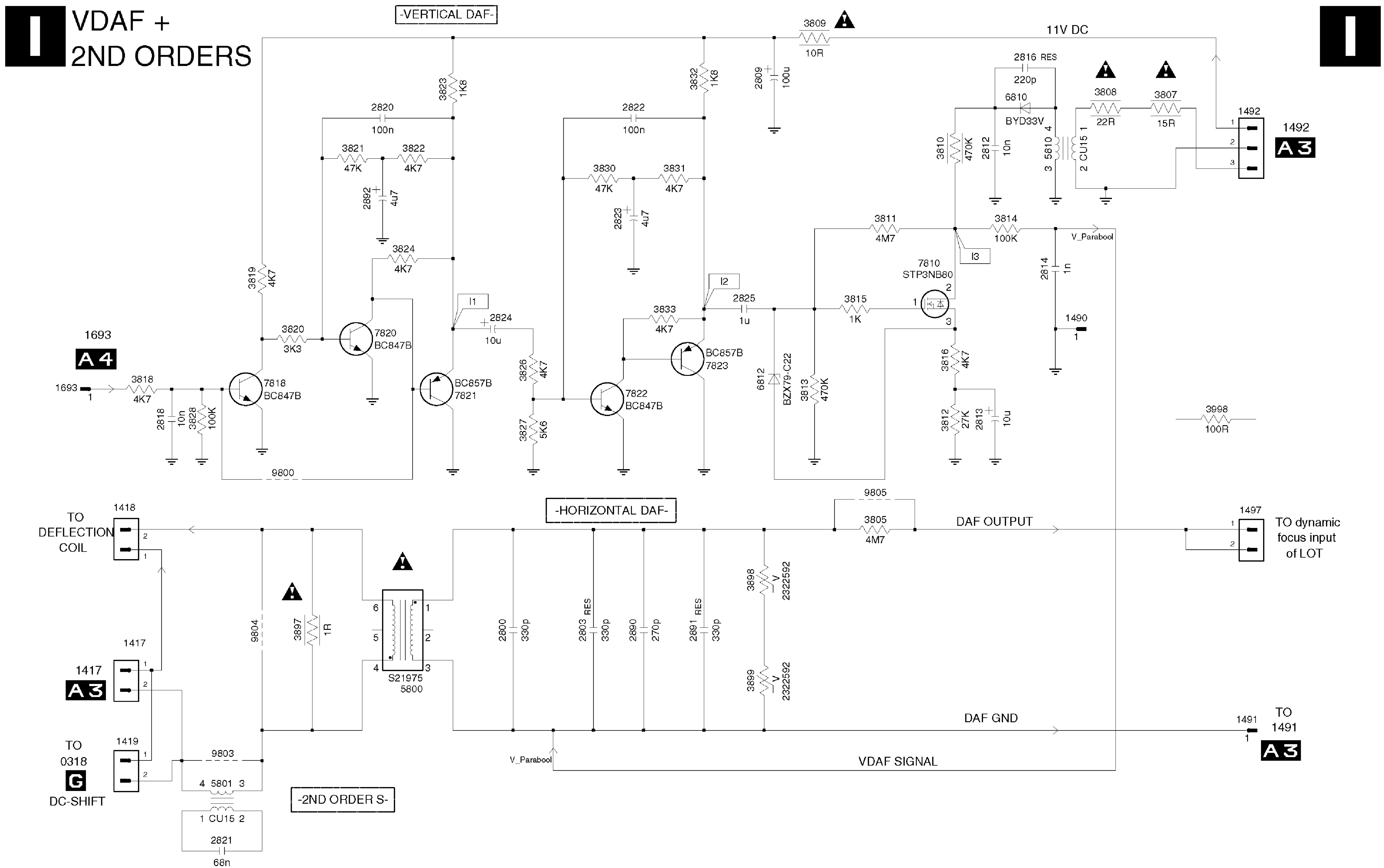

F
CRT PANEL
F
SCAVEM CIRCUIT
LIFE PART
TO SCAVEM
EARTH CRT
RGB AMPLIFIER
TDA6103Q/N3
FROM 1940 OF
A 7
FROM 0324 OF
A 3
Filament
GND-FIL
HFB_X-RAY-PROT
EHT-INFO
Y_SCAVEM
R-CRT
G-CRT
B-CRT
CUTOFF
Blue
Green
Red
1599
CRT 34" THOMSON
FROM Vg2-connection
LOT
A 3
BFS20
BF199
BC847B
BC857B
BD136
BD135
+11D/+8V
200V

G DC-SHIFT

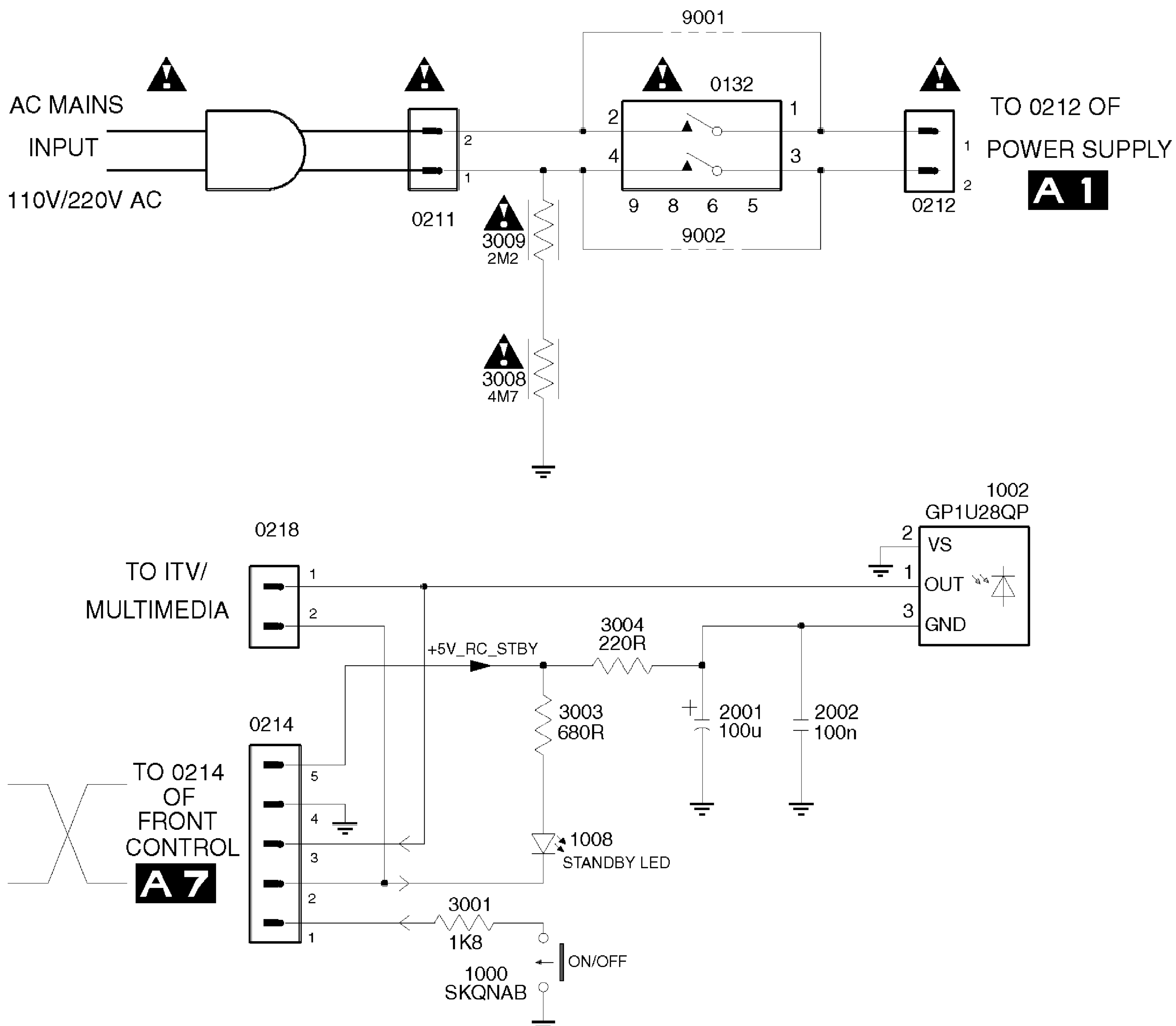


318
N.C.
1
2
TO 1419
DAF
317
1430
400mA
MP 40
9493
5493
4
3
1
2
CU15
2493
68n
5430
6432
BYD33V
6430
BY228/20
2430
470p
2431
470p
6431
BY228/20
6433
BYD33V

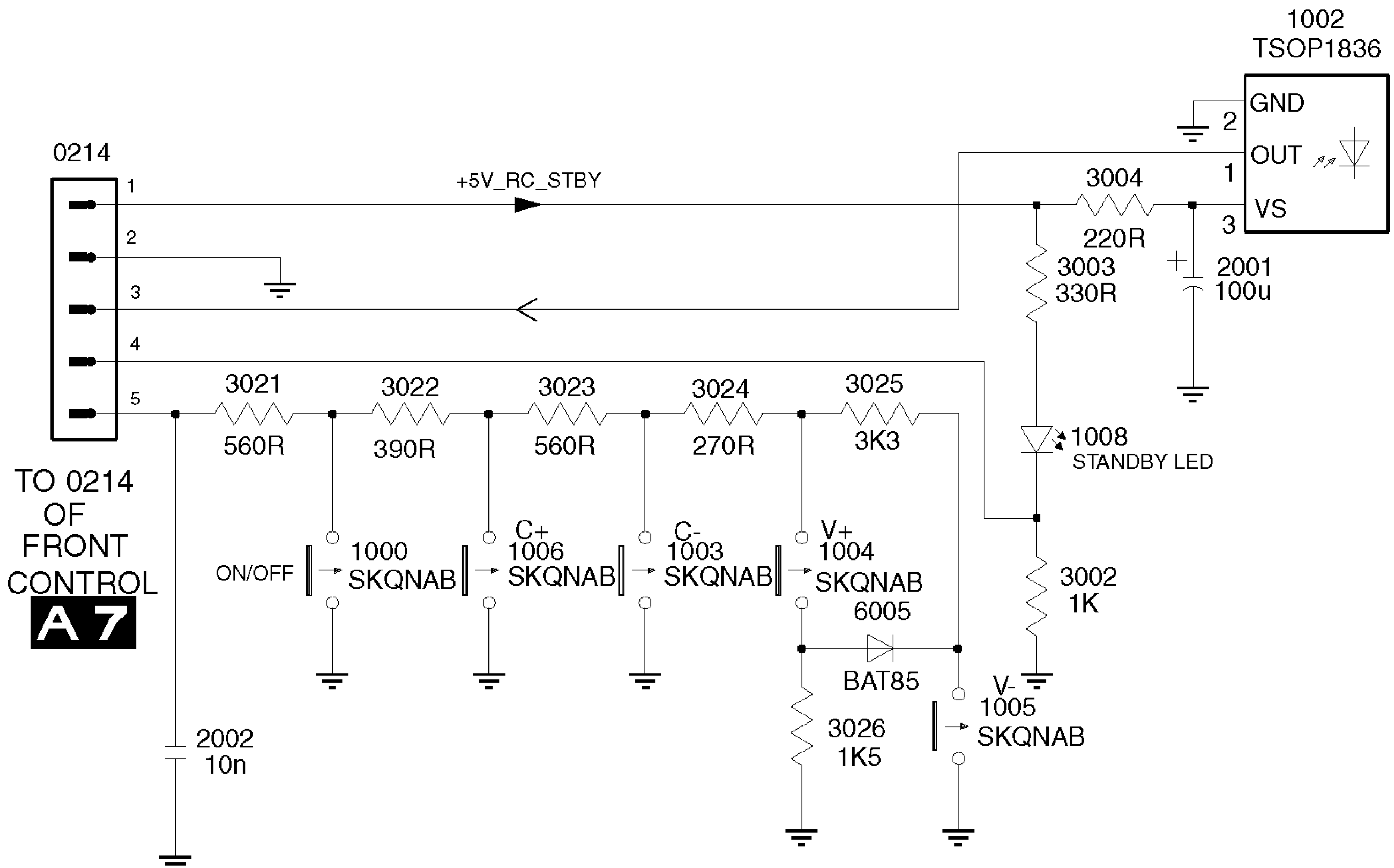
I VDAF + 2ND ORDERS



J FRONT INTERFACE PANEL
(FOR PV0/PV2 STYLING)

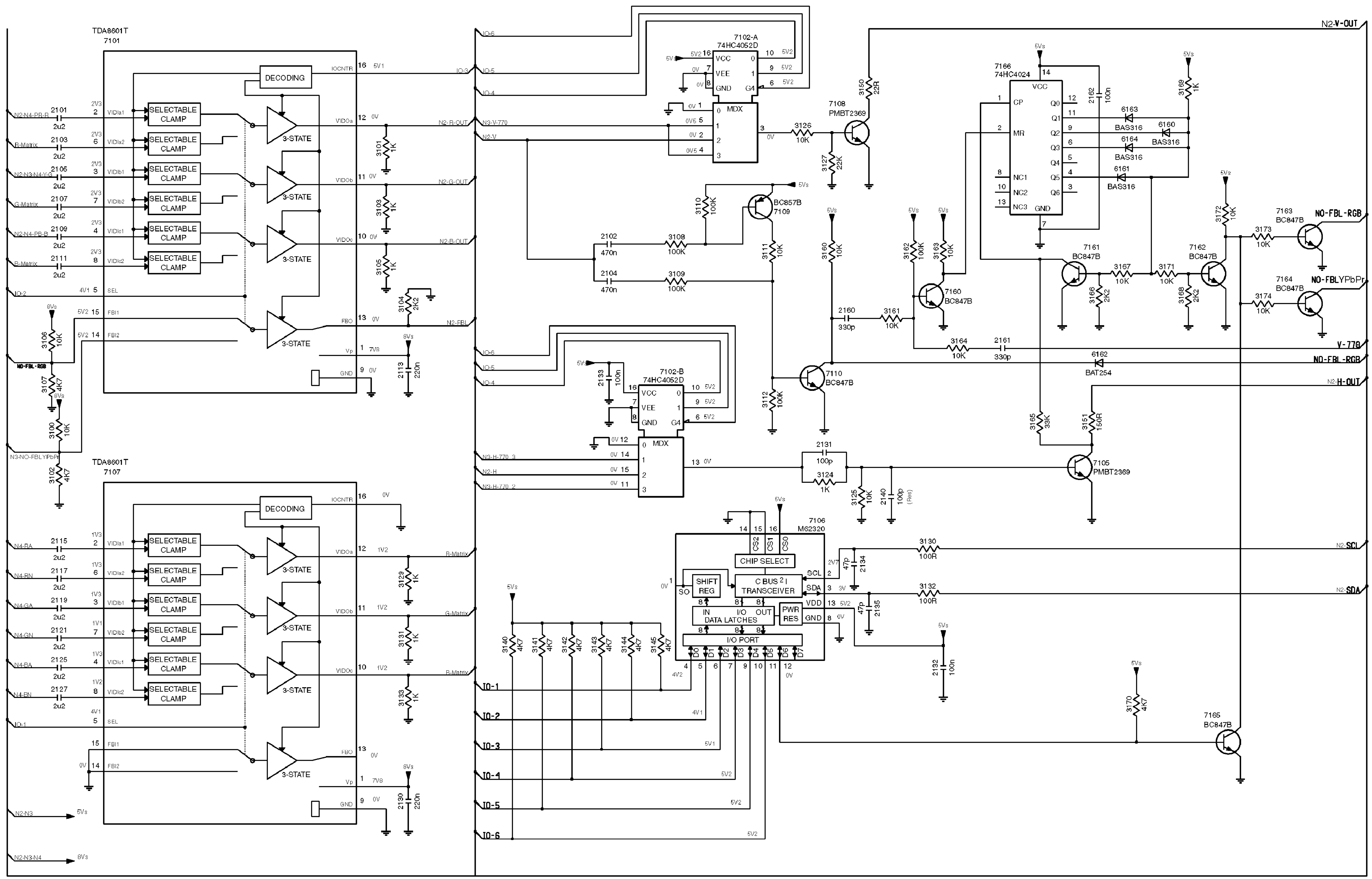


J FRONT INTERFACE PANEL
(FOR SL3 STYLING)

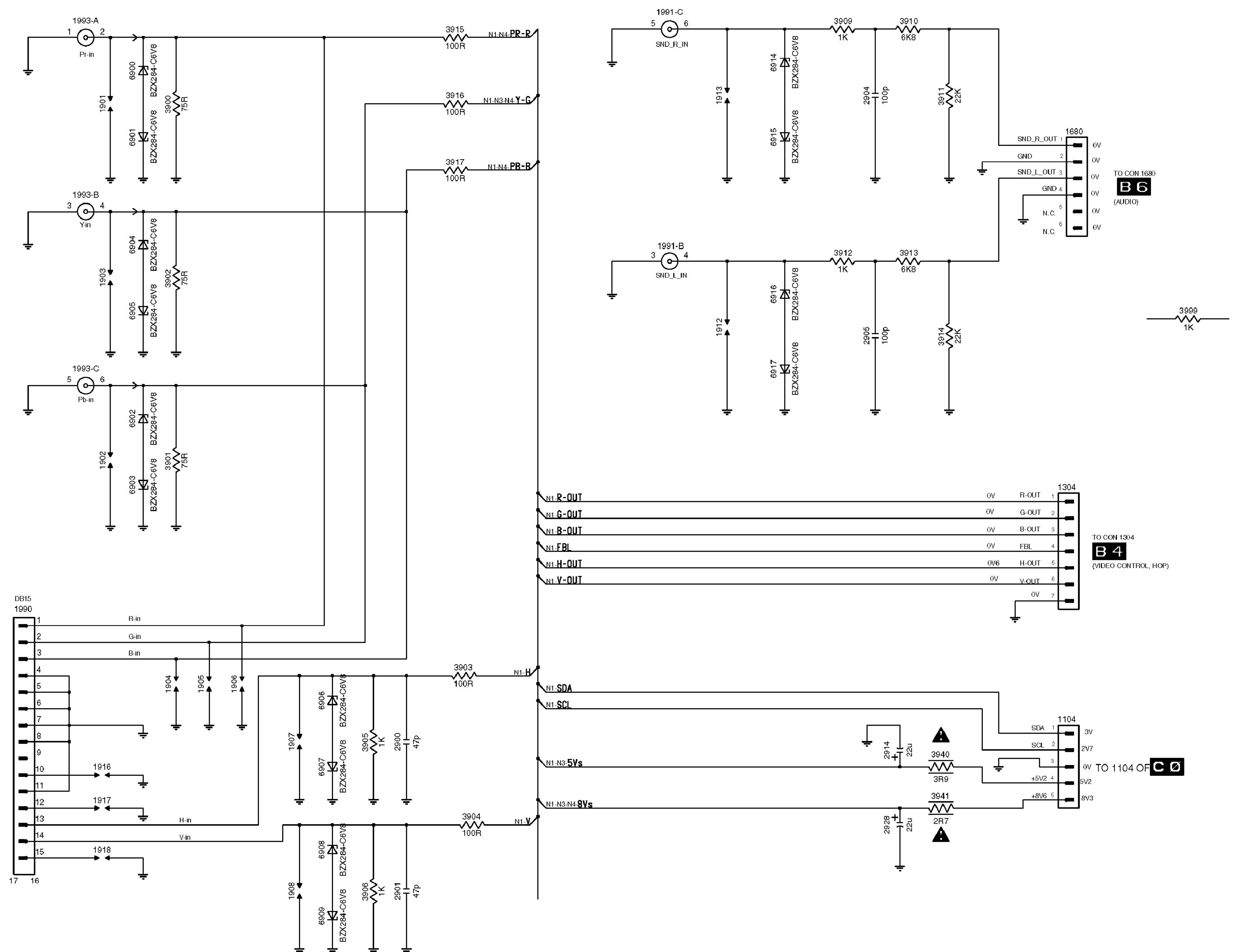


NOT USED IN MODELS: , 32PT842H37A, 36PT842H37D (7644) - Control (For no PIP) [N1]

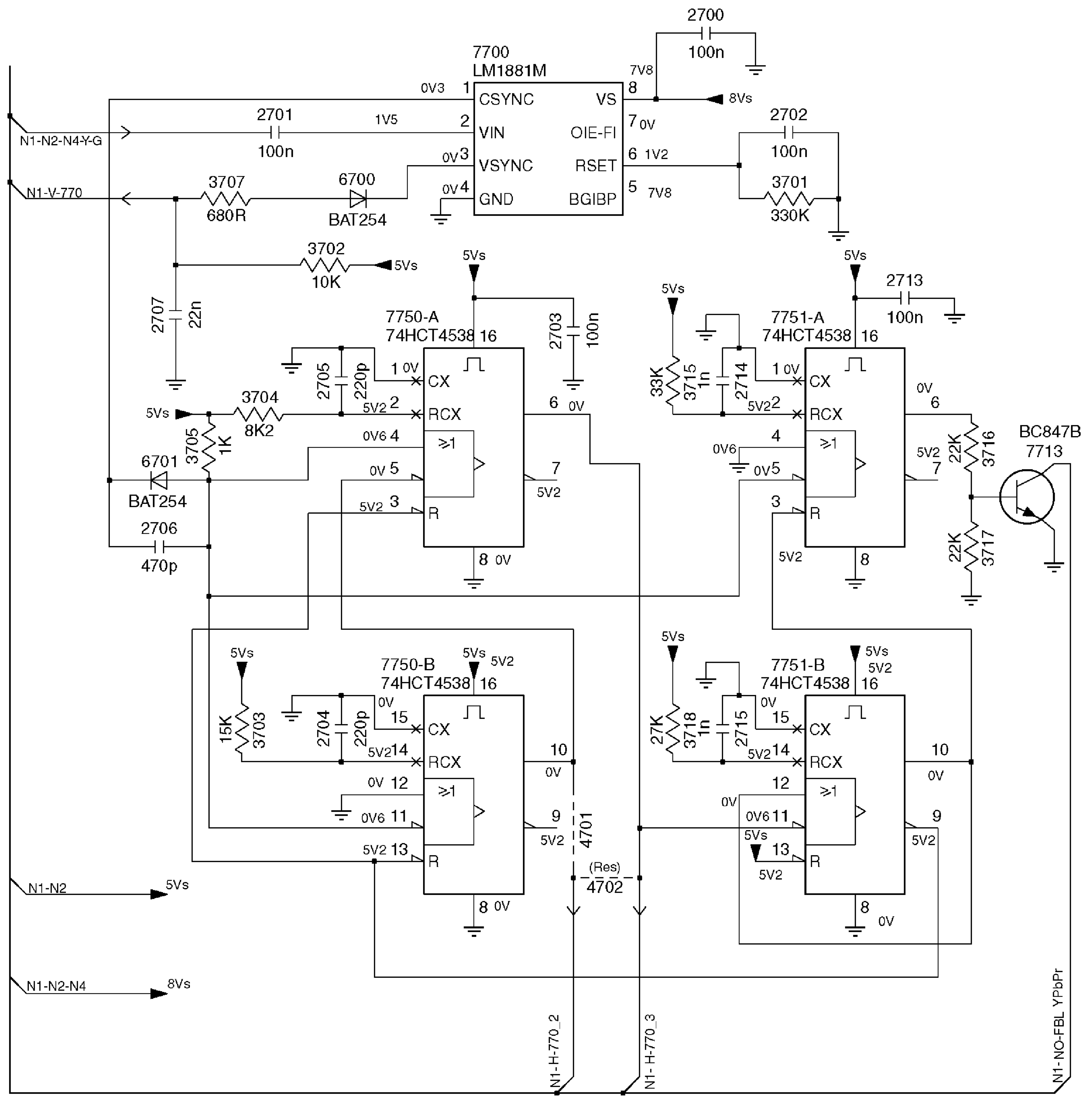
N 1 CONTROL JACK-HIGH DEFINITION INTERFACE (FOR NO PIP)



N2 INPUTS/OUTPUTS JACK-HIGH DEFINITION INTERFACE (FOR NO PIP)

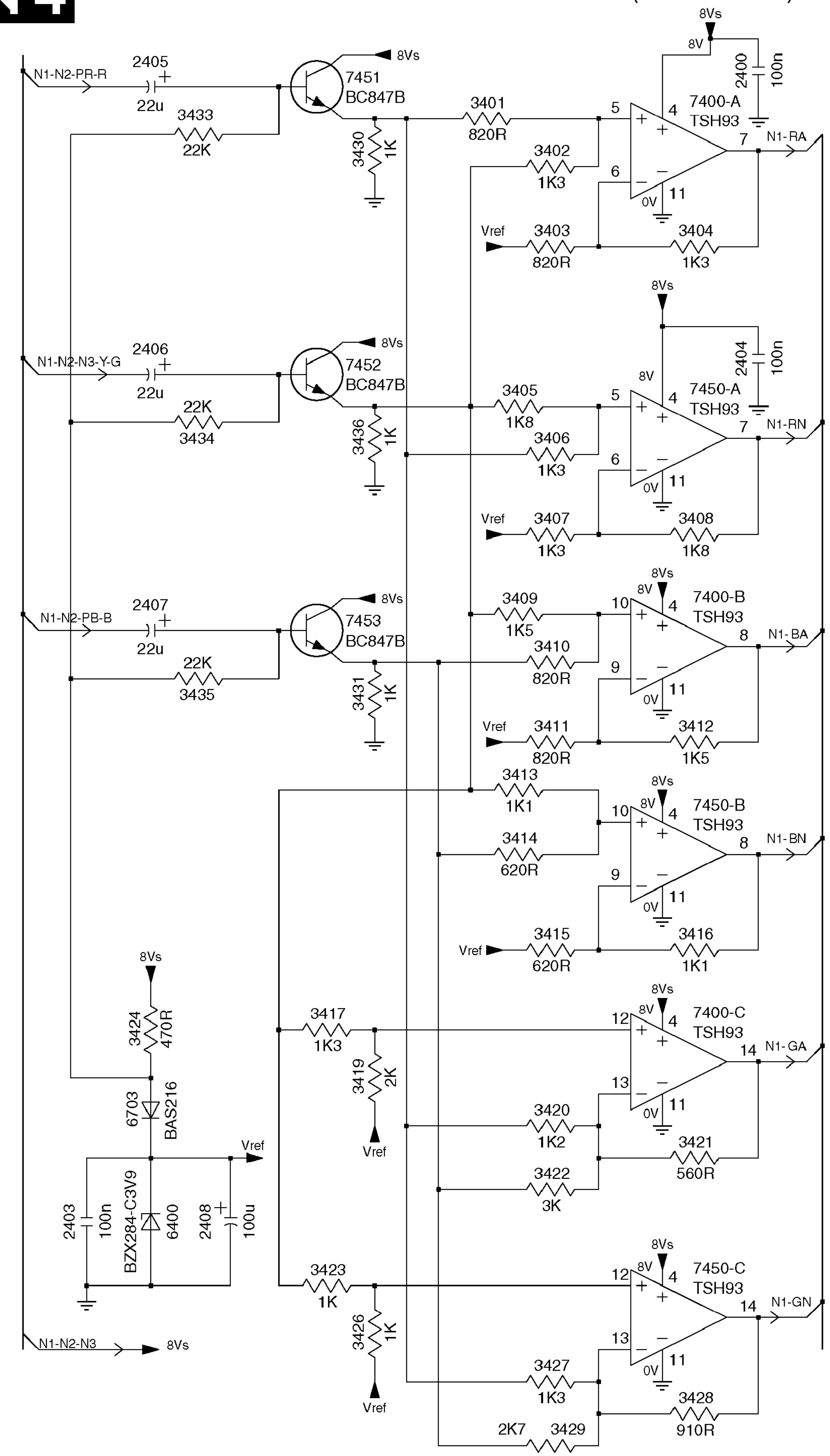


N3 SYNC SLICER JACK- HIGH DEFINITION INTERFACE (FOR NO PIP)

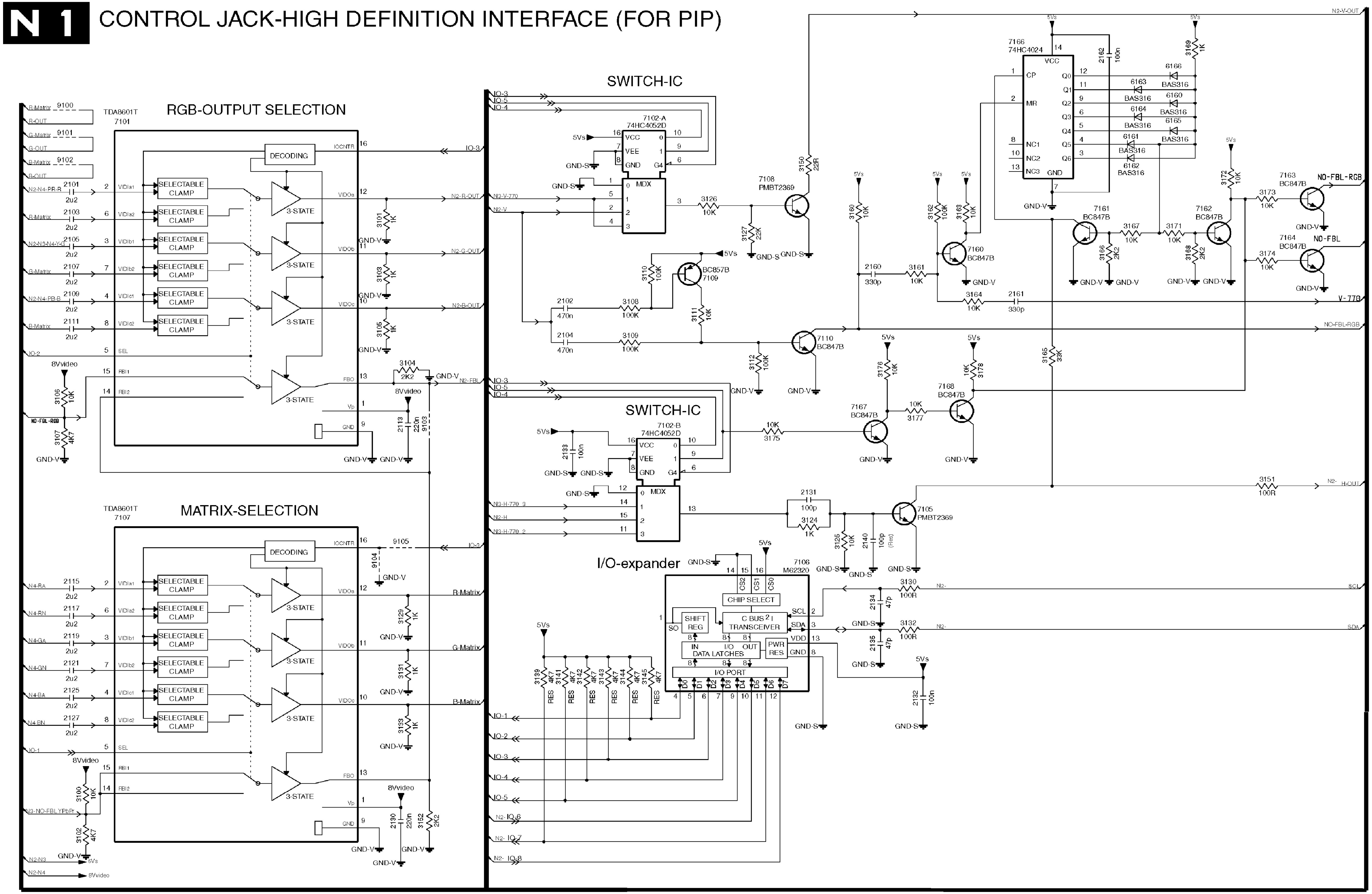


NOT USED IN MODELS: , 32PT842H37A, 36PT842H37D (7644) - Matrix (For no PIP) [N4]

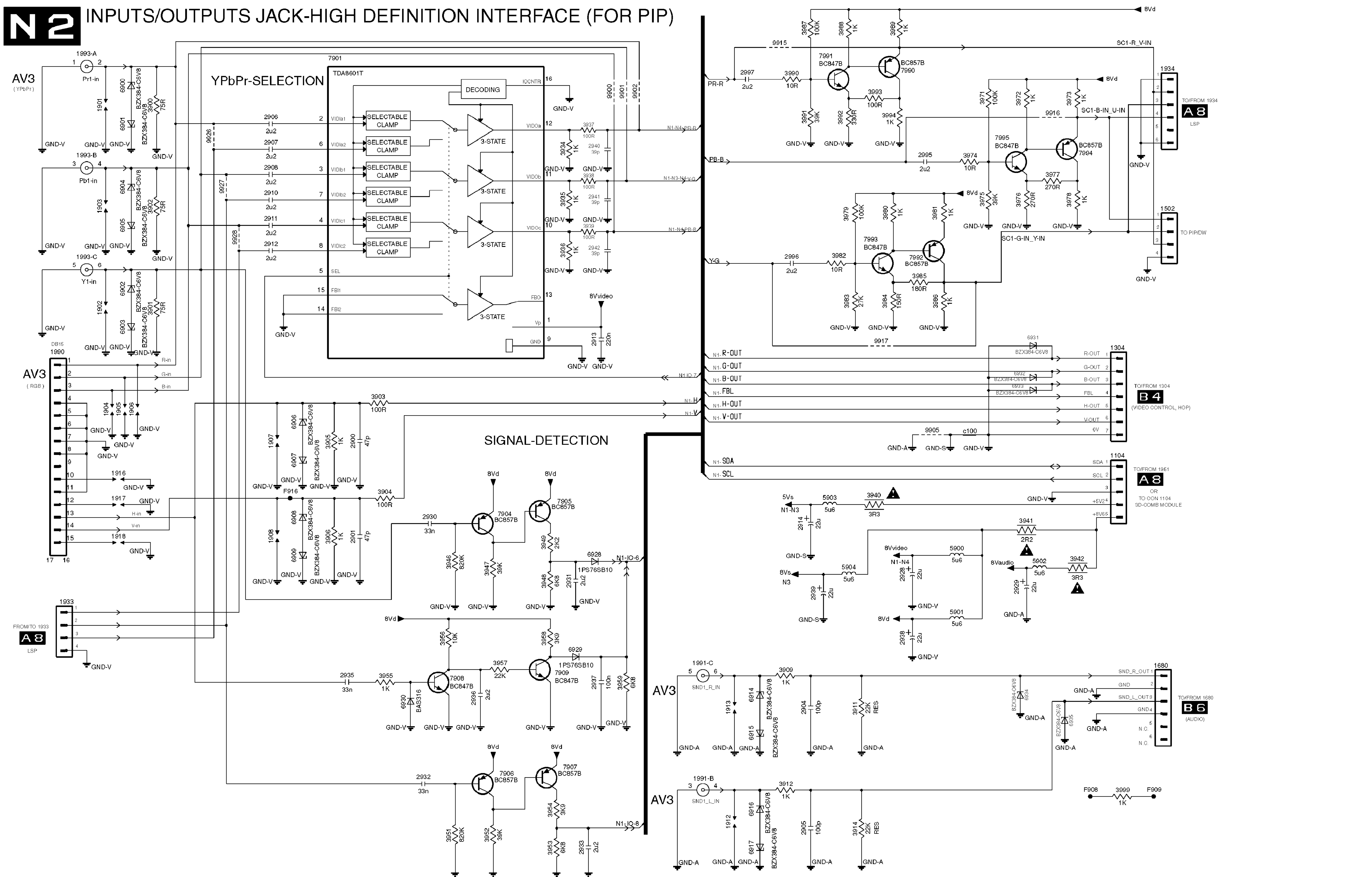
N 4 MATRIX JACK-HIGH DEFINITION INTERFACE (FOR NO PIP)



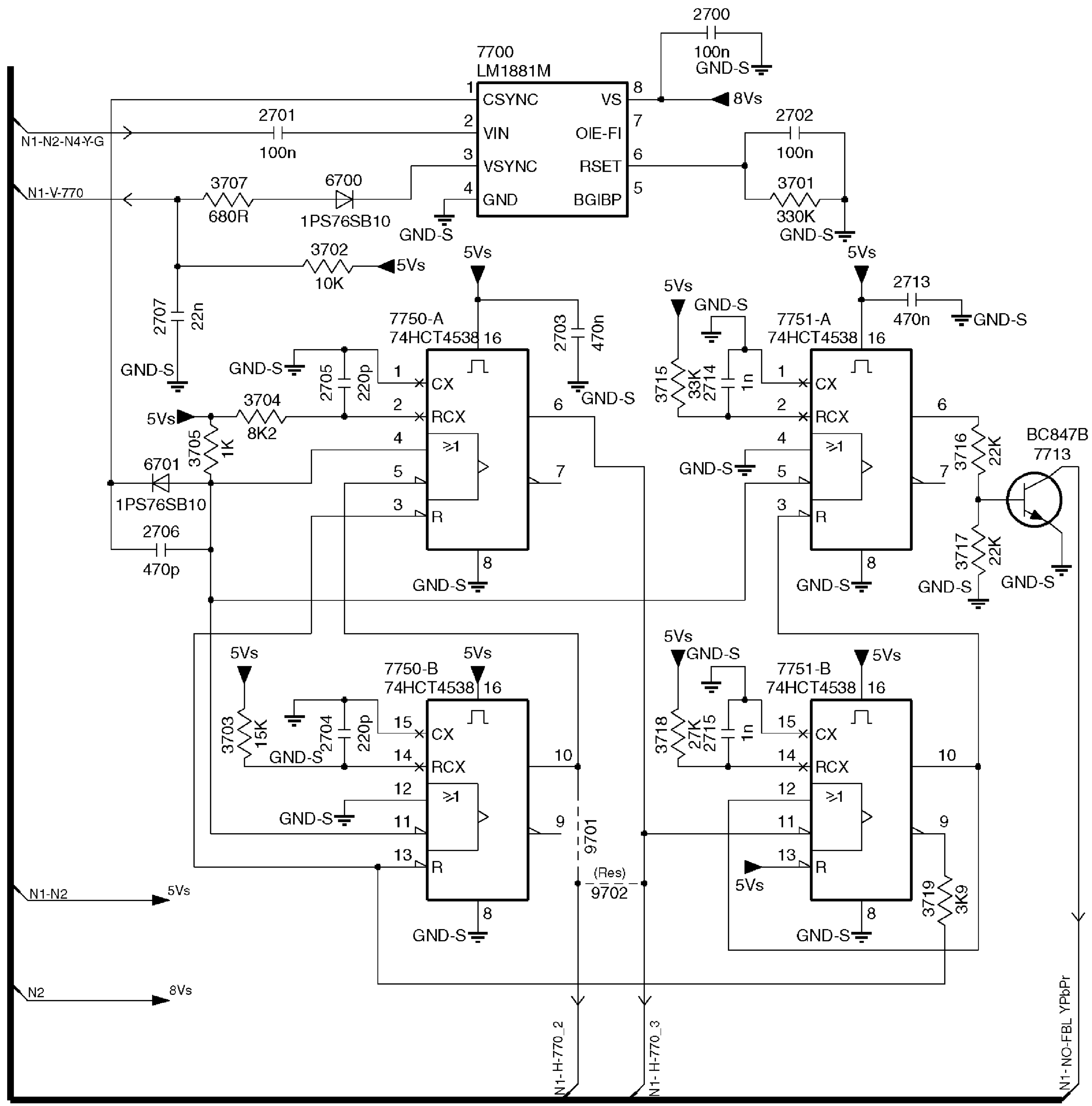
N 1 CONTROL JACK-HIGH DEFINITION INTERFACE (FOR PIP)



N2 INPUTS/OUTPUTS JACK-HIGH DEFINITION INTERFACE (FOR PIP)

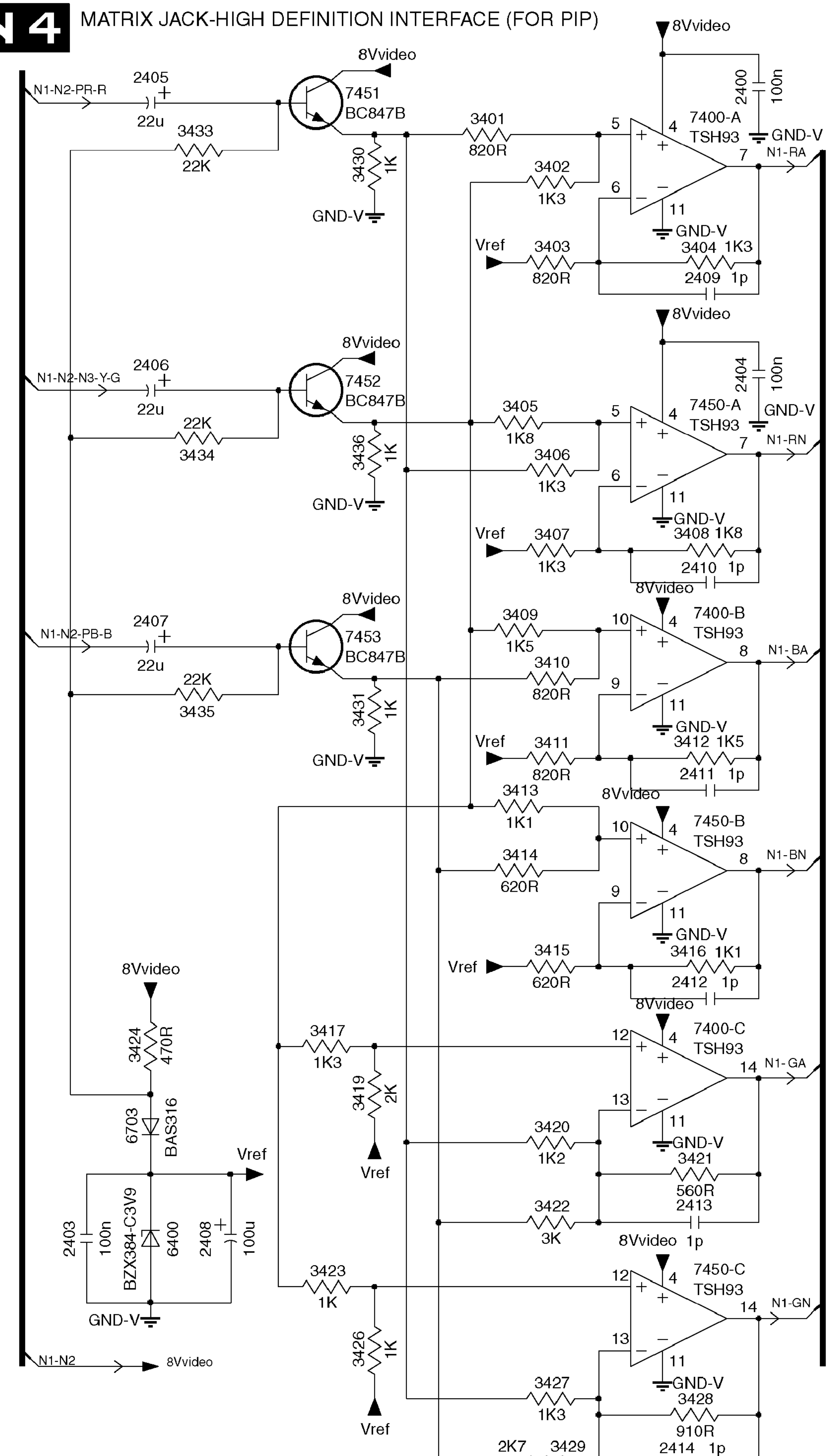


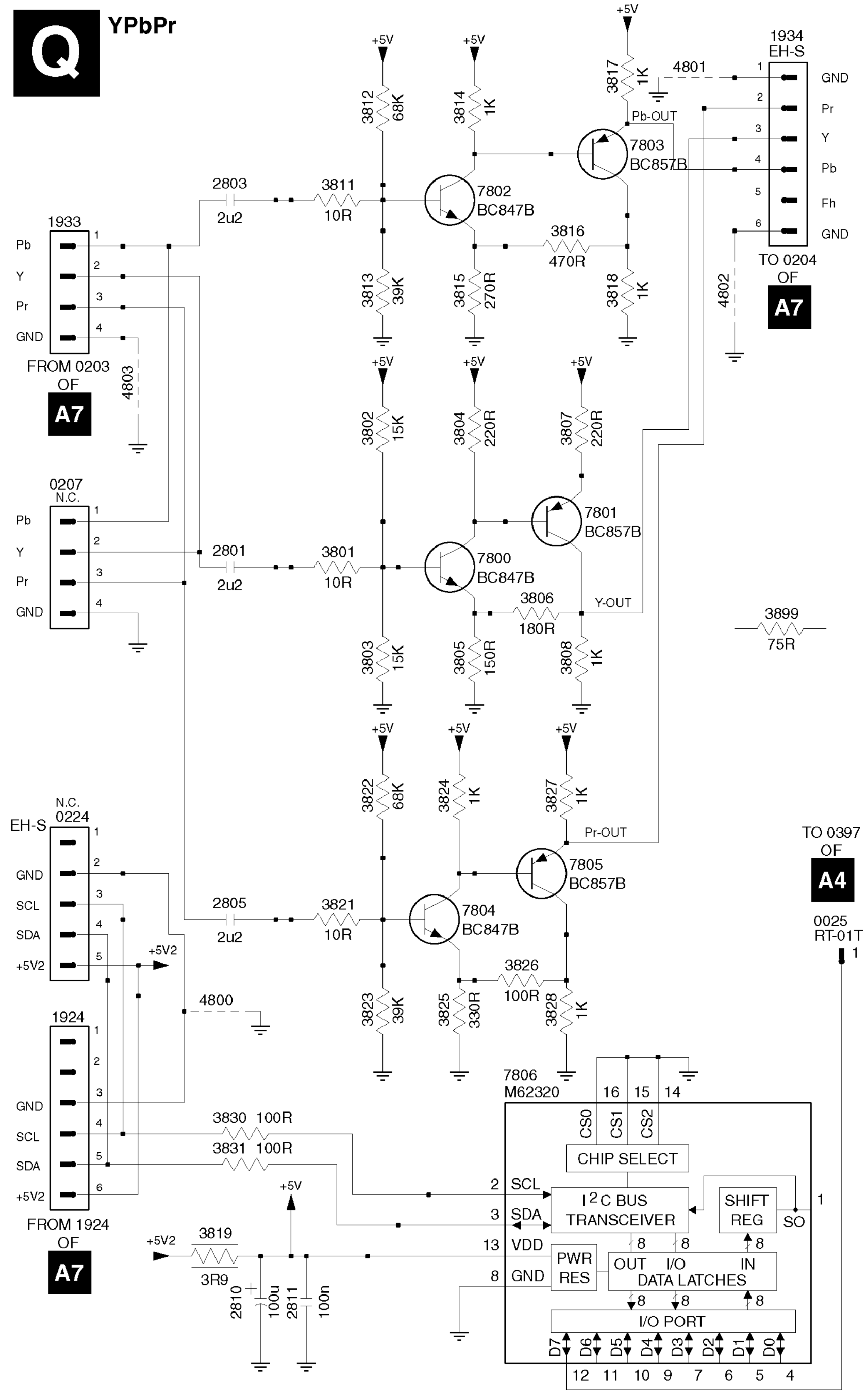
N3 SYNC SLICER JACK- HIGH DEFINITION INTERFACE (FOR PIP)



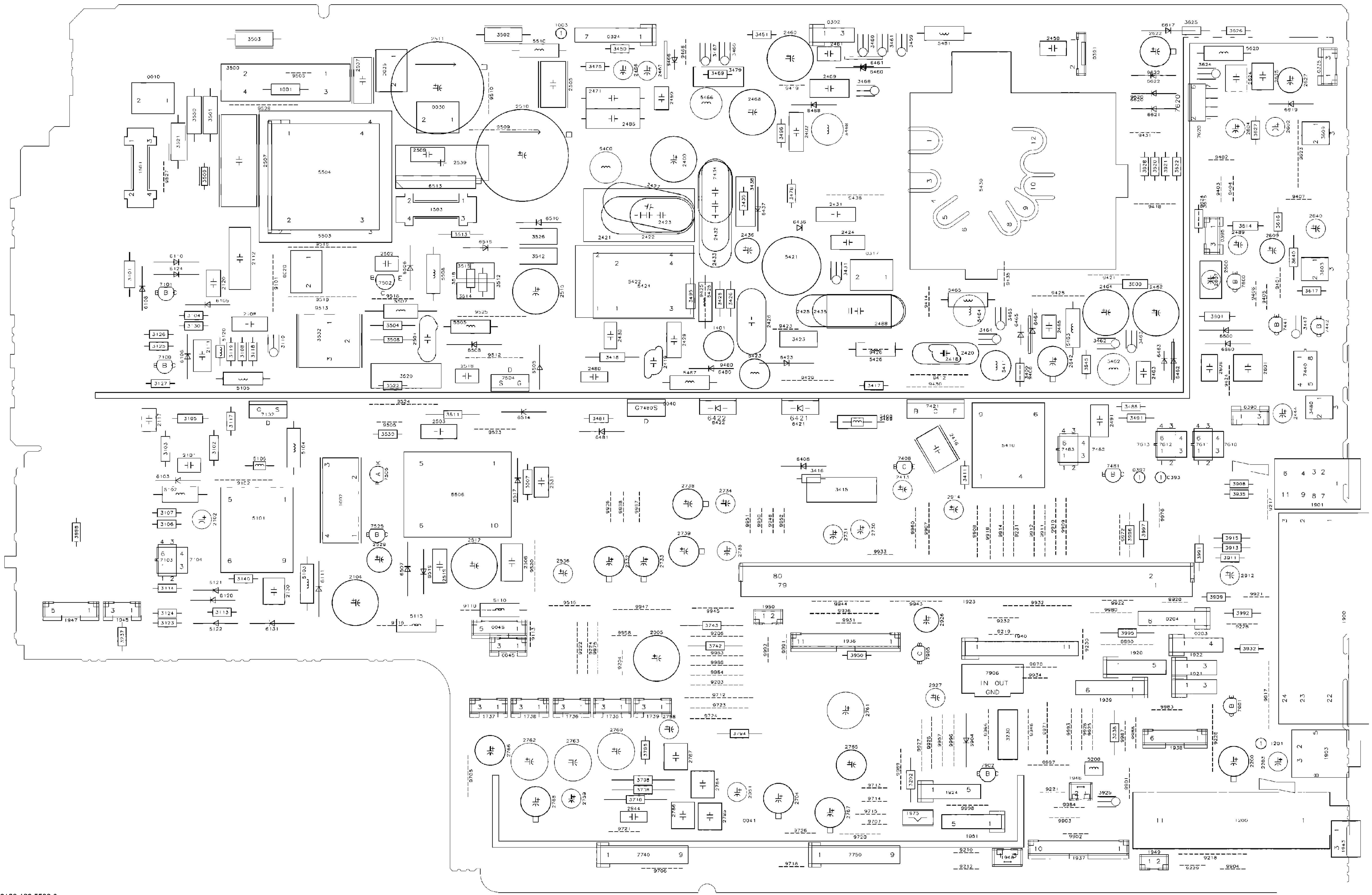
USED ONLY IN MODELS: 32PT842H37A, 36PT842H37D (7644) - Matrix (For PIP) [N4]

N4 MATRIX JACK-HIGH DEFINITION INTERFACE (FOR PIP)




Q
YPbPr
1933
Pb
Y
Pr
GND
FROM 0203
OF
A7
0207
N.C.
EH-S
0224
SCL
SDA
+5V2
1924
FROM 1924
OF
A7
1934
EH-S
GND
Pr
Y
Pb
Fh
TO 0204
OF
A7
TO 0397
OF
A4
0025
RT-01T
7800 BC847B
7801 BC857B
7802 BC847B
7803 BC857B
7804 BC847B
7805 BC857B
Pb-OUT
Y-OUT
Pr-OUT
3899
75R
7806
M62320
CS0
CS1
CS2
CHIP SELECT
SCL
SDA
VDD
GND
I2C BUS
TRANSCEIVER
SHIFT
REG
SO
PWR
RES
OUT I/O IN
DATA LATCHES
I/O PORT
D7 D6 D5 D4 D3 D2 D1 D0

All Models (7644) - Layout LSP (Top Side)

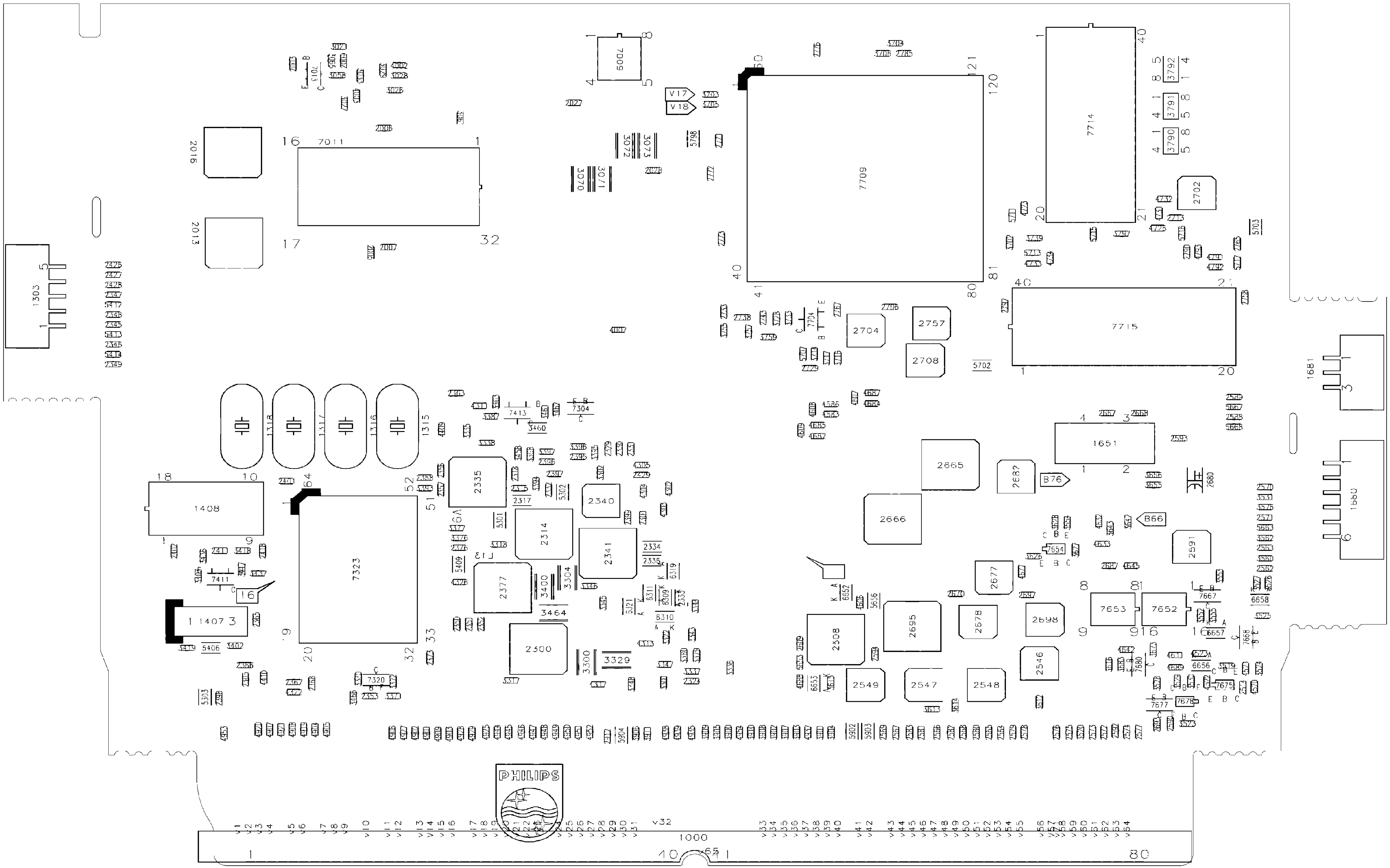


3139 123 5598.0

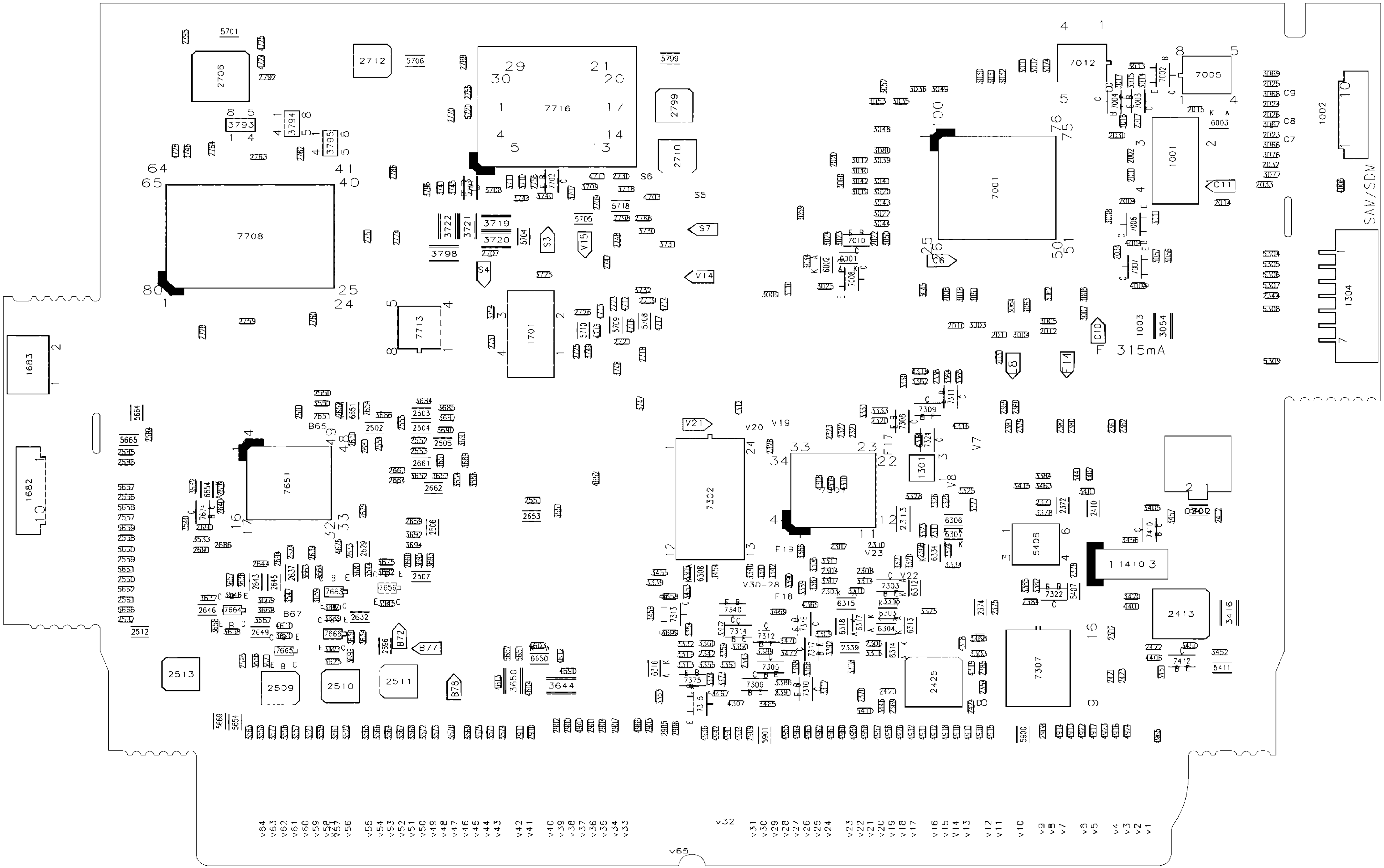
All Models (7644) - Layout LSP (Bottom Side)



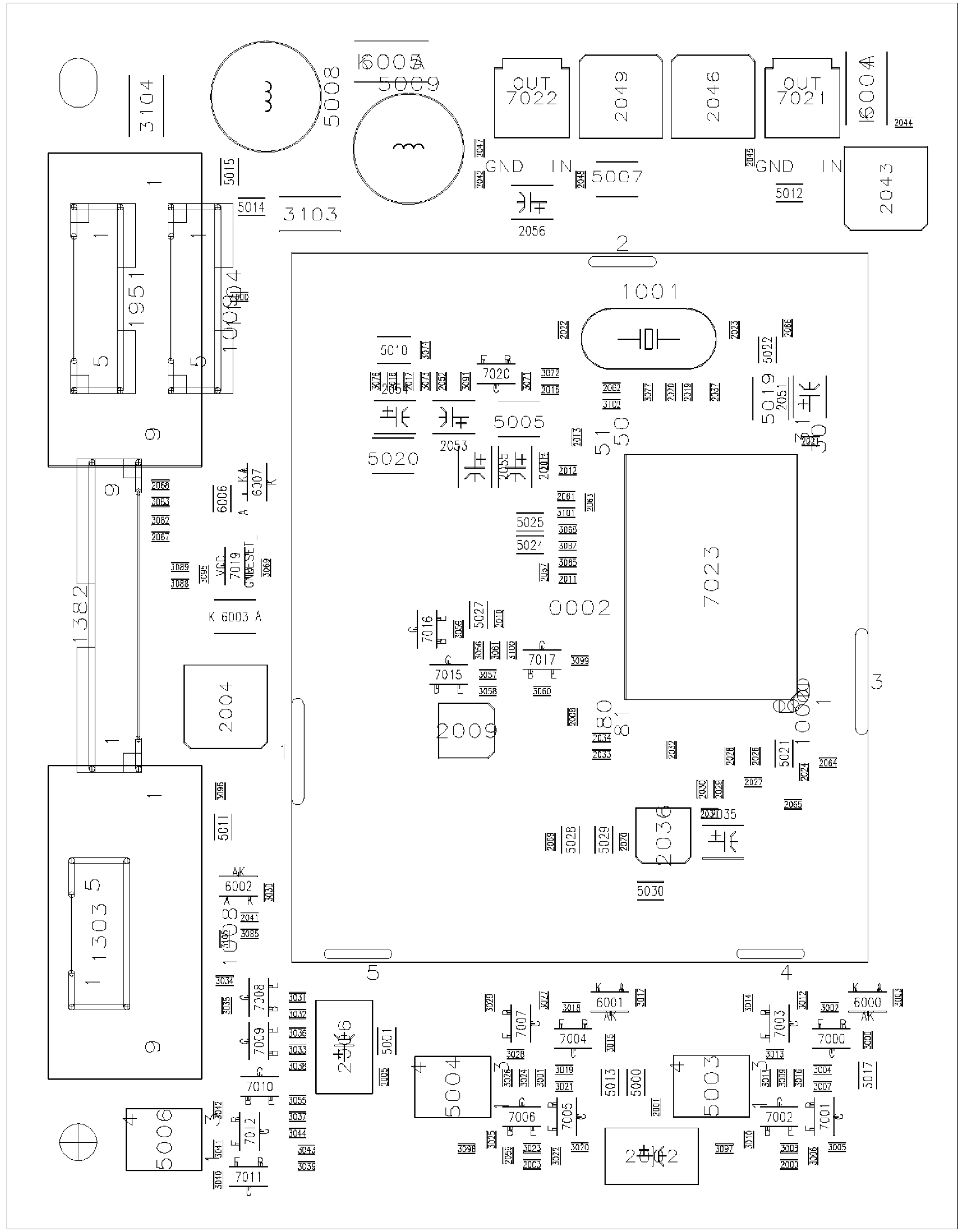
All Models (7644) - Layout SSB (LOT Side)



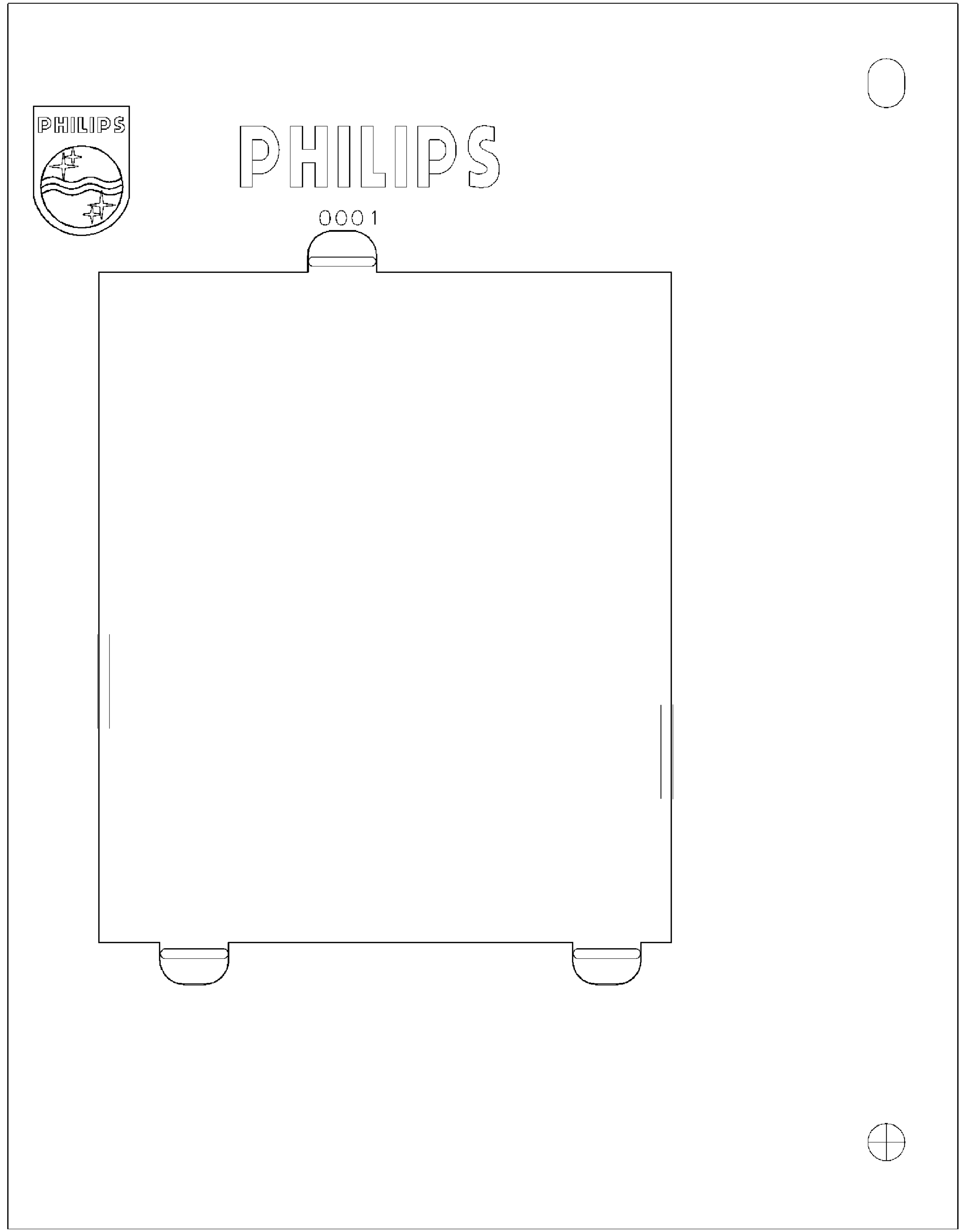
All Models (7644) - Layout SSB (Tuner Side)



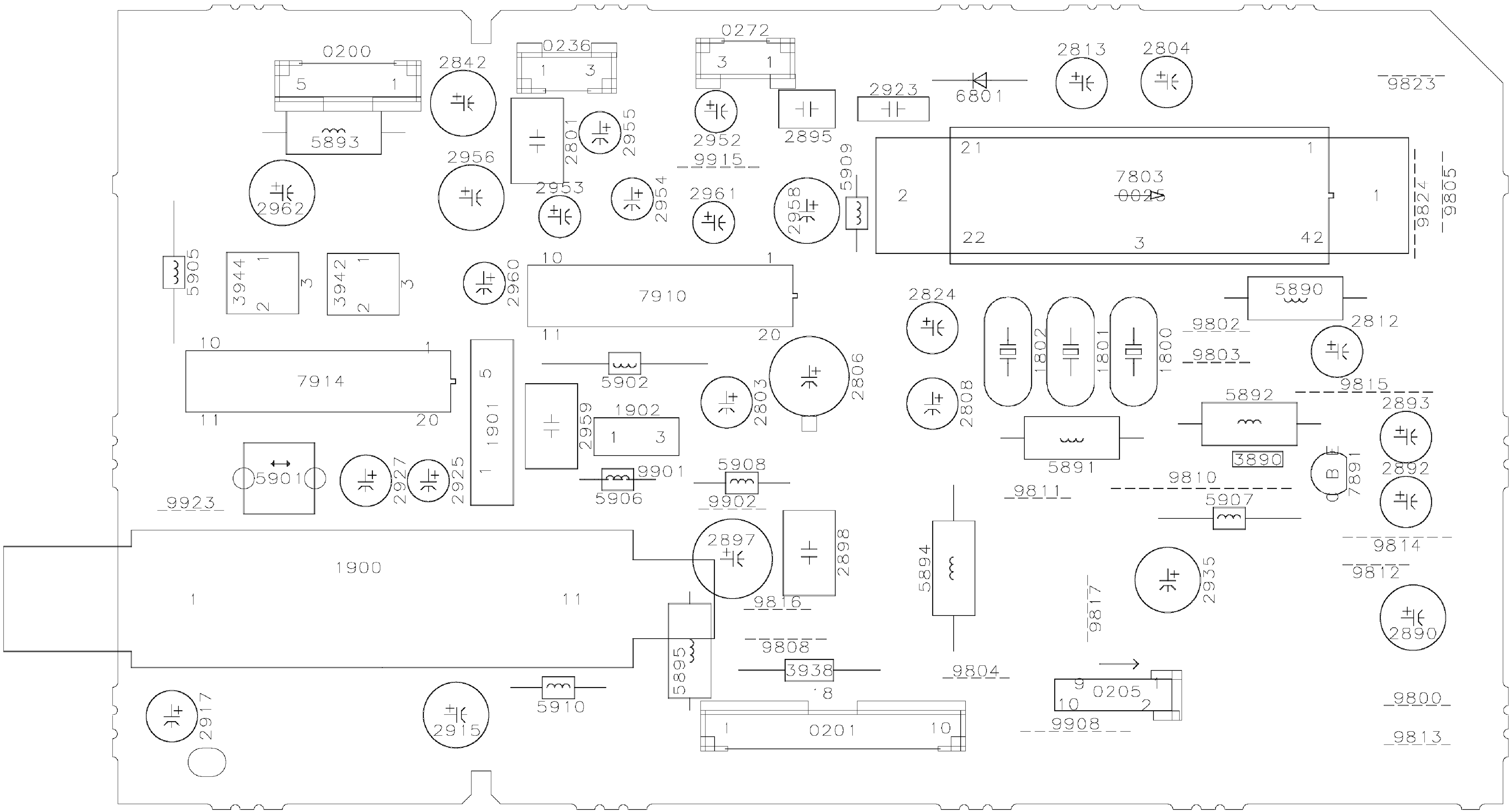
All Models (7644) - Layout 3D Comb (Top View)



All Models (7644) - Layout 3D Comb (Bottom View)



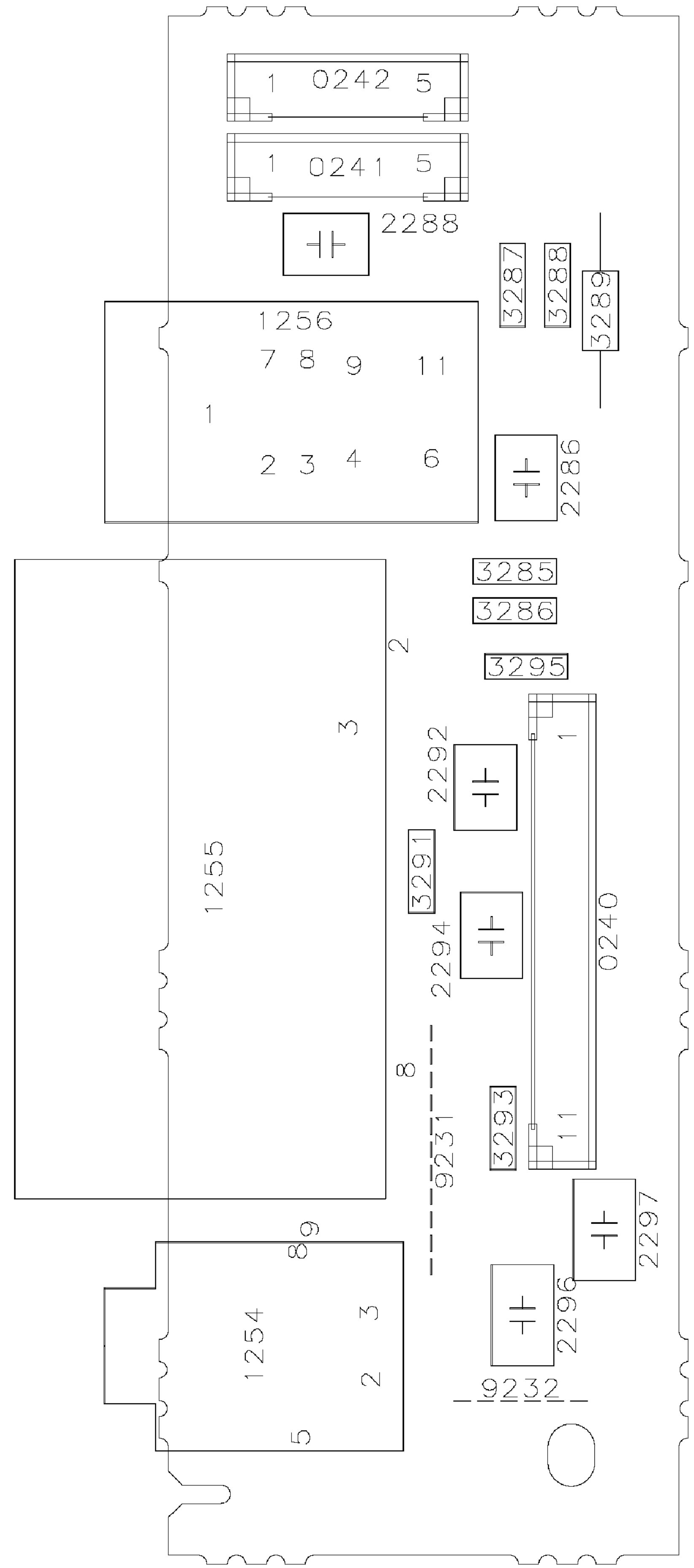
USED ONLY IN MODELS: 32PT842H37A, 36PT842H37D (7644) - Layout PIP Panel (Top Side)



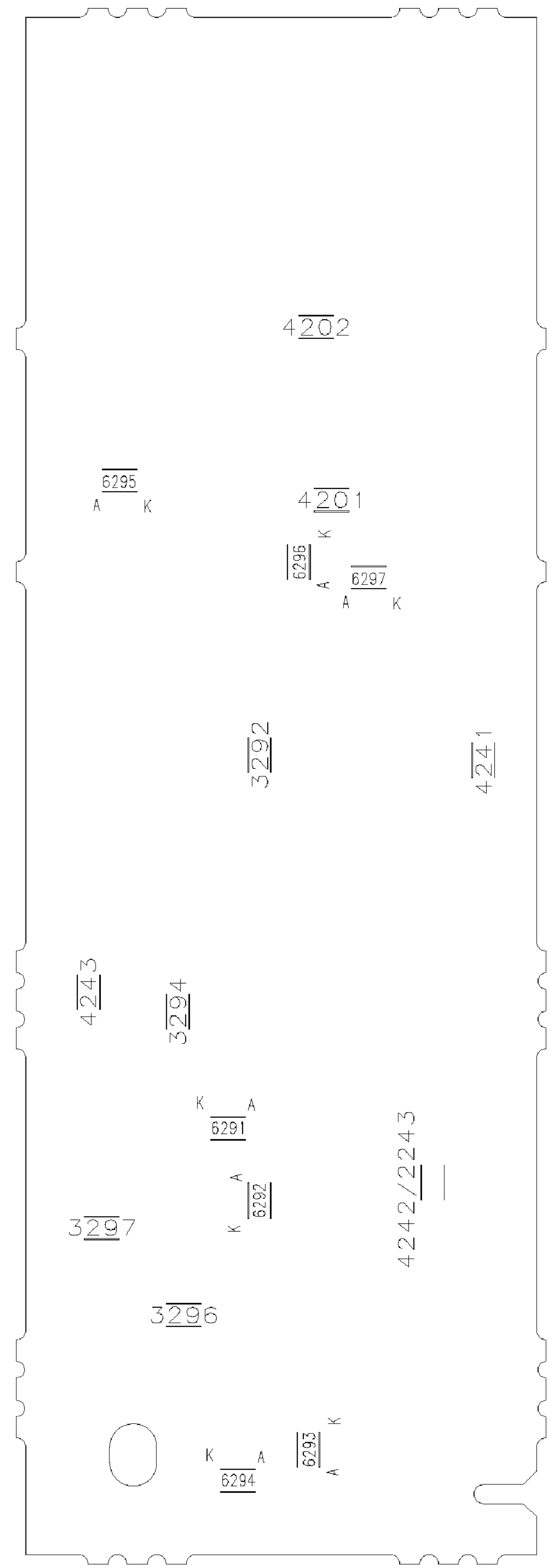
USED ONLY IN MODELS: 32PT842H37A, 36PT842H37D (7644) - Layout PIP Panel (Bottom Side)



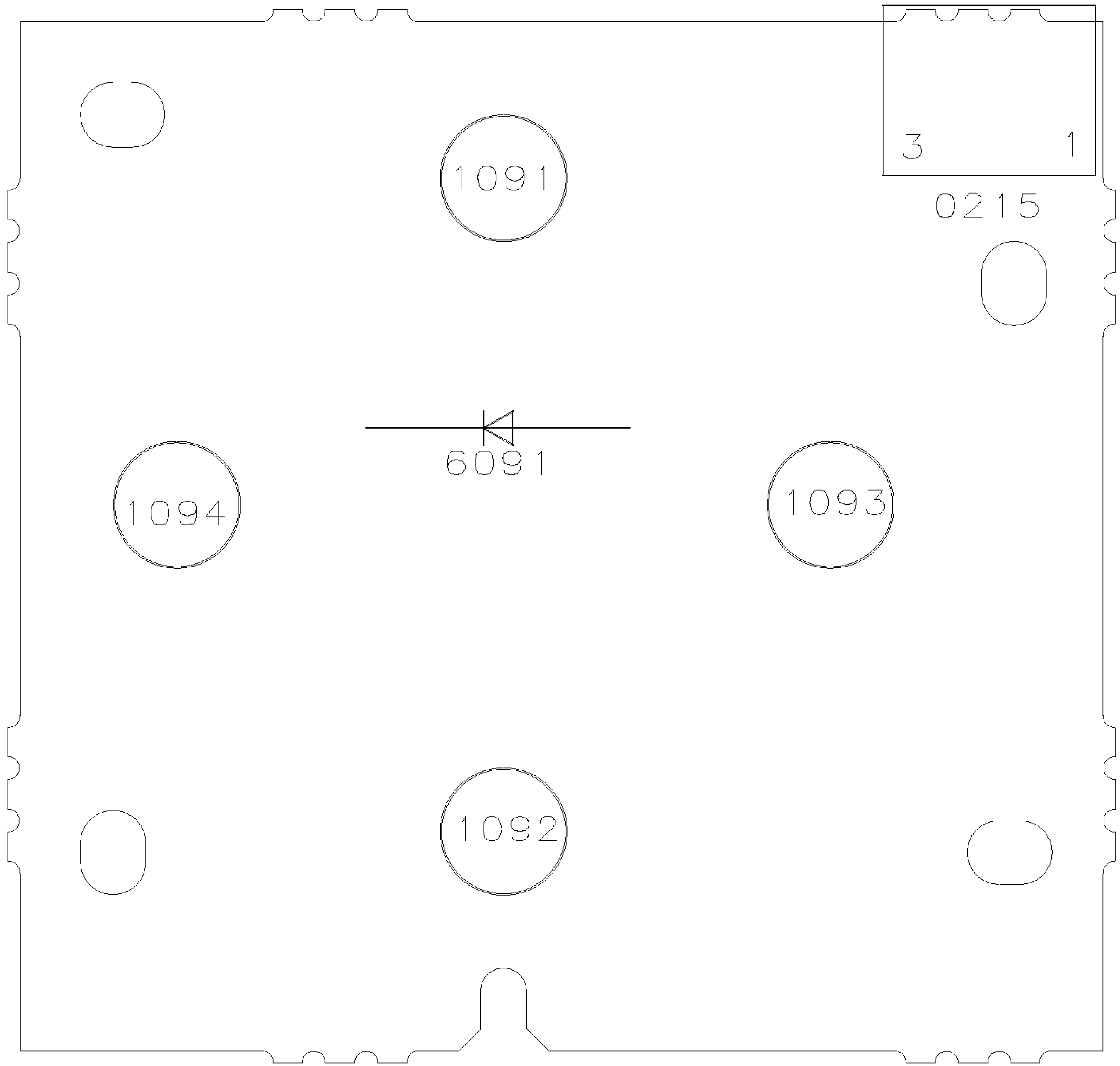
All Models (7644) - Layout Side I/O Panel (Top Side)



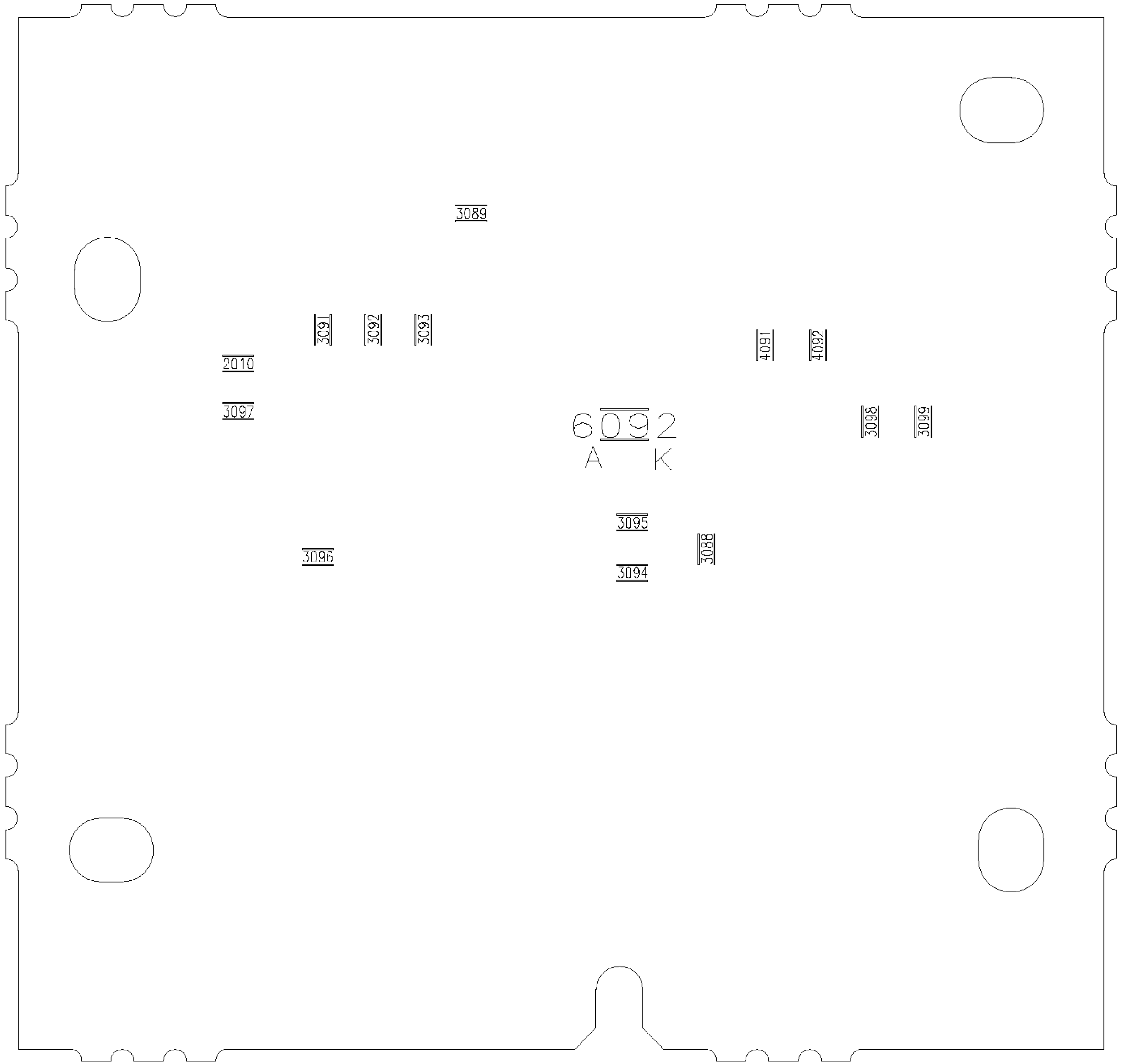
All Models (7644) - Layout Side I/O Panel (Bottom Side)



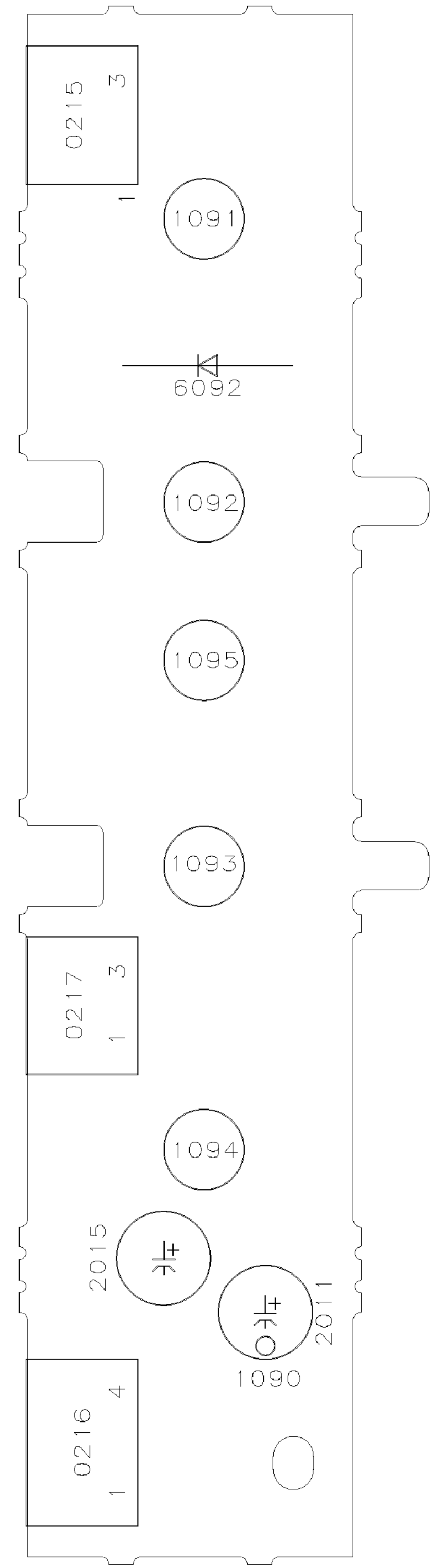
USED ONLY IN MODELS: 27PT830H37C, 32PT830H37A (7644) - Layout Top Control Panel PV0 Styling (Top Side)



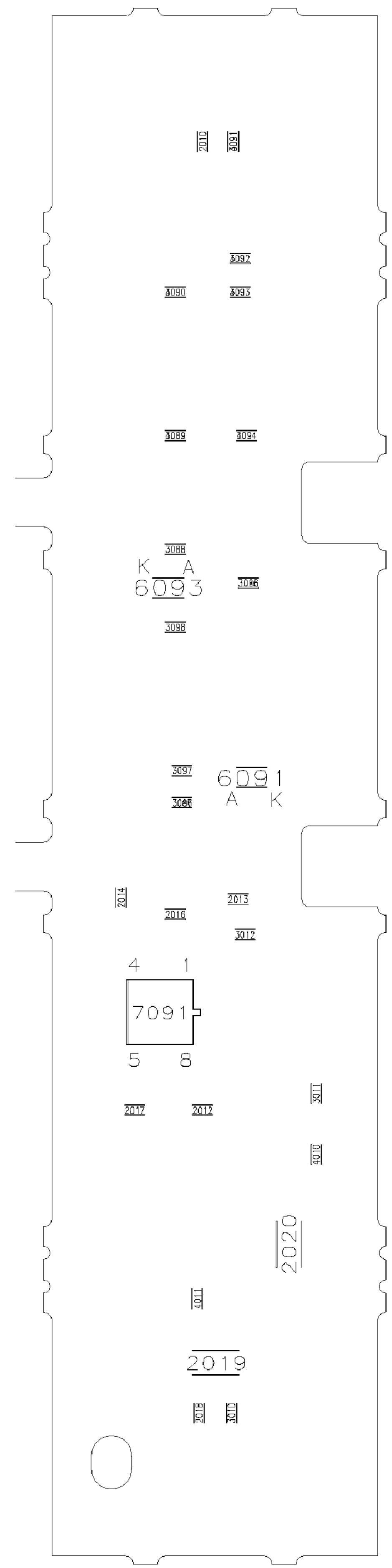
USED ONLY IN MODELS: 27PT830H37C, 32PT830H37A (7644) - Layout Top Control Panel PV0 Styling (Bottom Side)



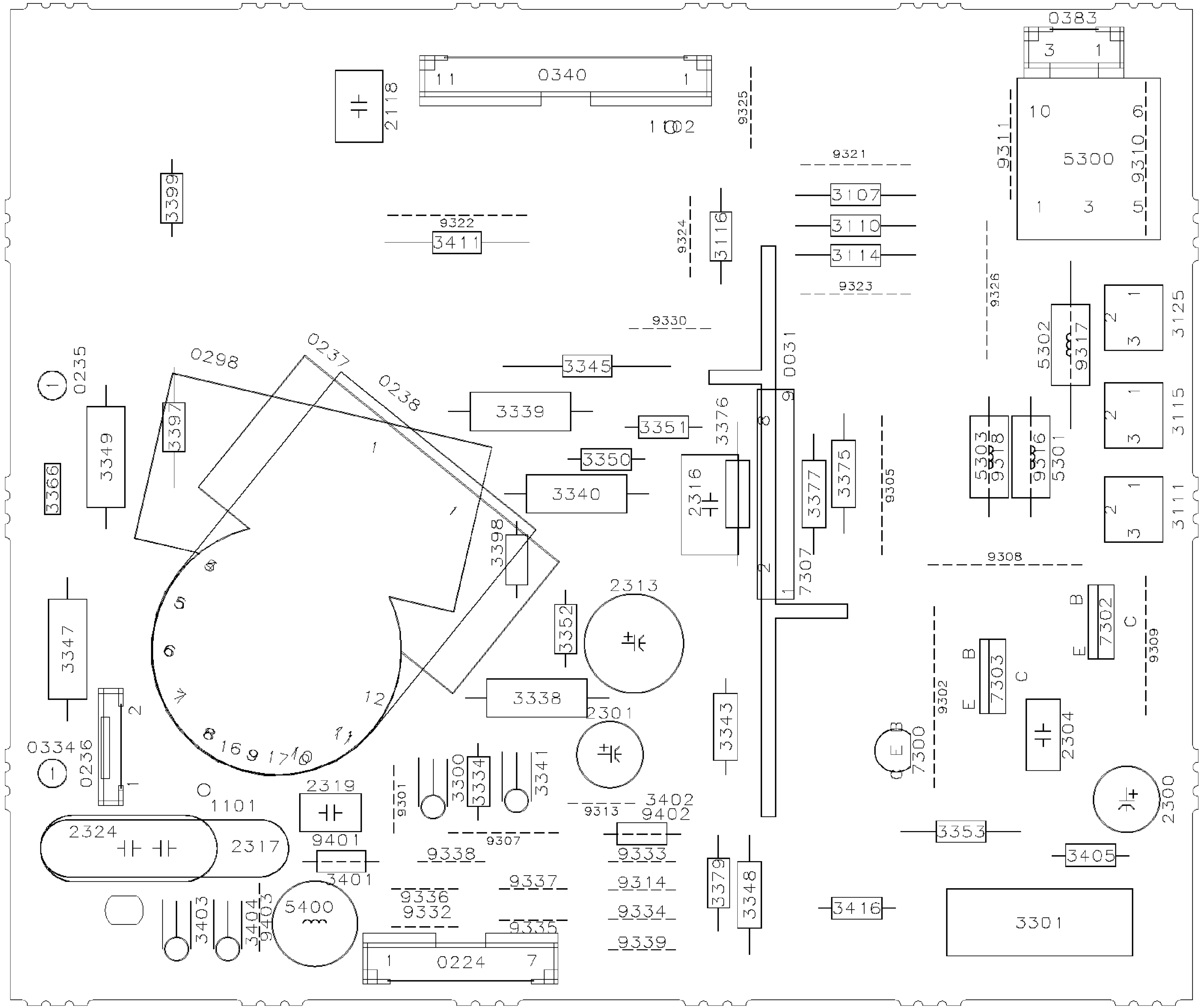
USED ONLY IN MODELS: 32PT842H37A, 36PT842H37D (7644) - Layout Top Control Panel PV2 Styling (Top Side)



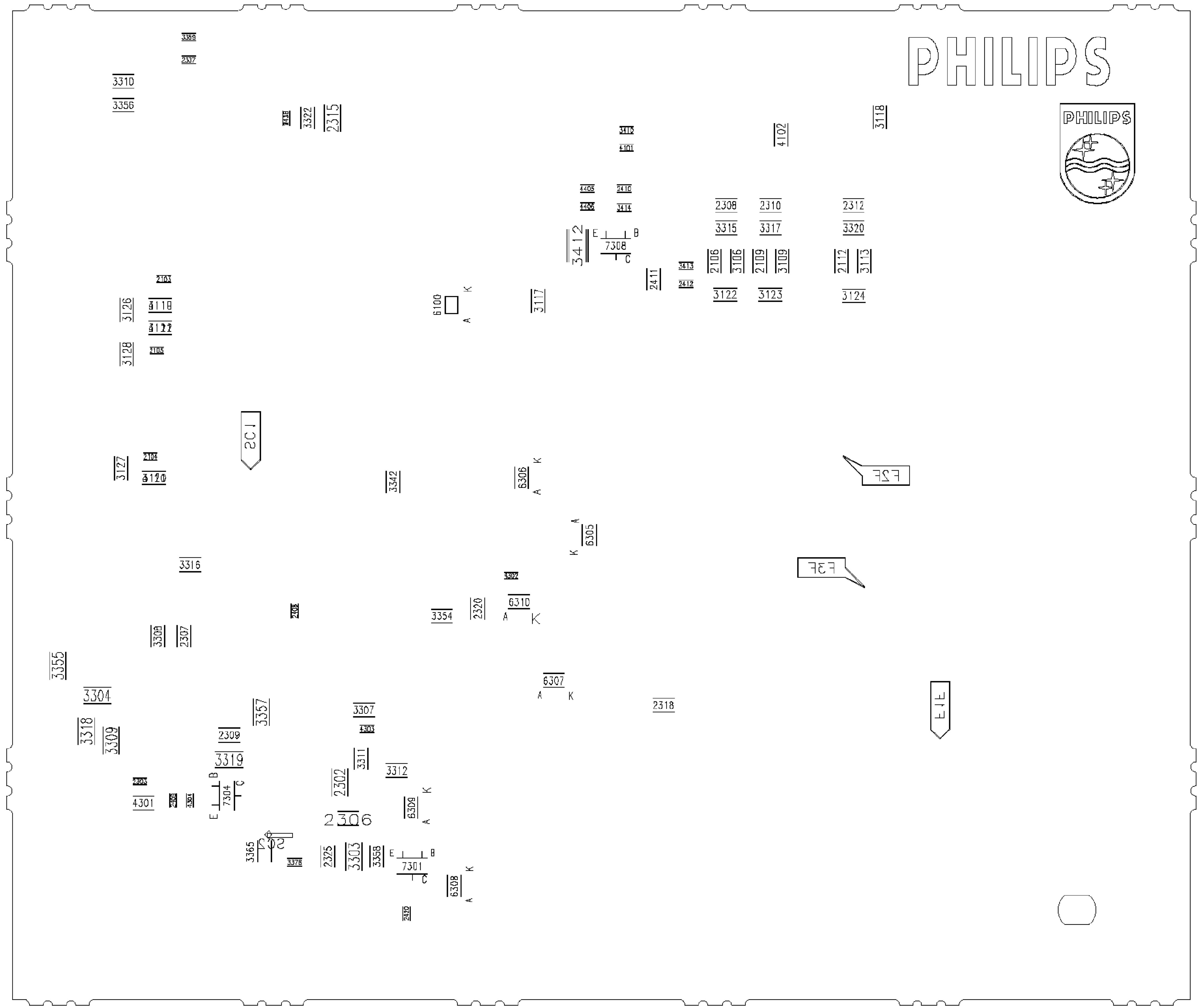
USED ONLY IN MODELS: 32PT842H37A, 36PT842H37D (7644) - Layout Top Control Panel PV2 Styling (Bottom Side)



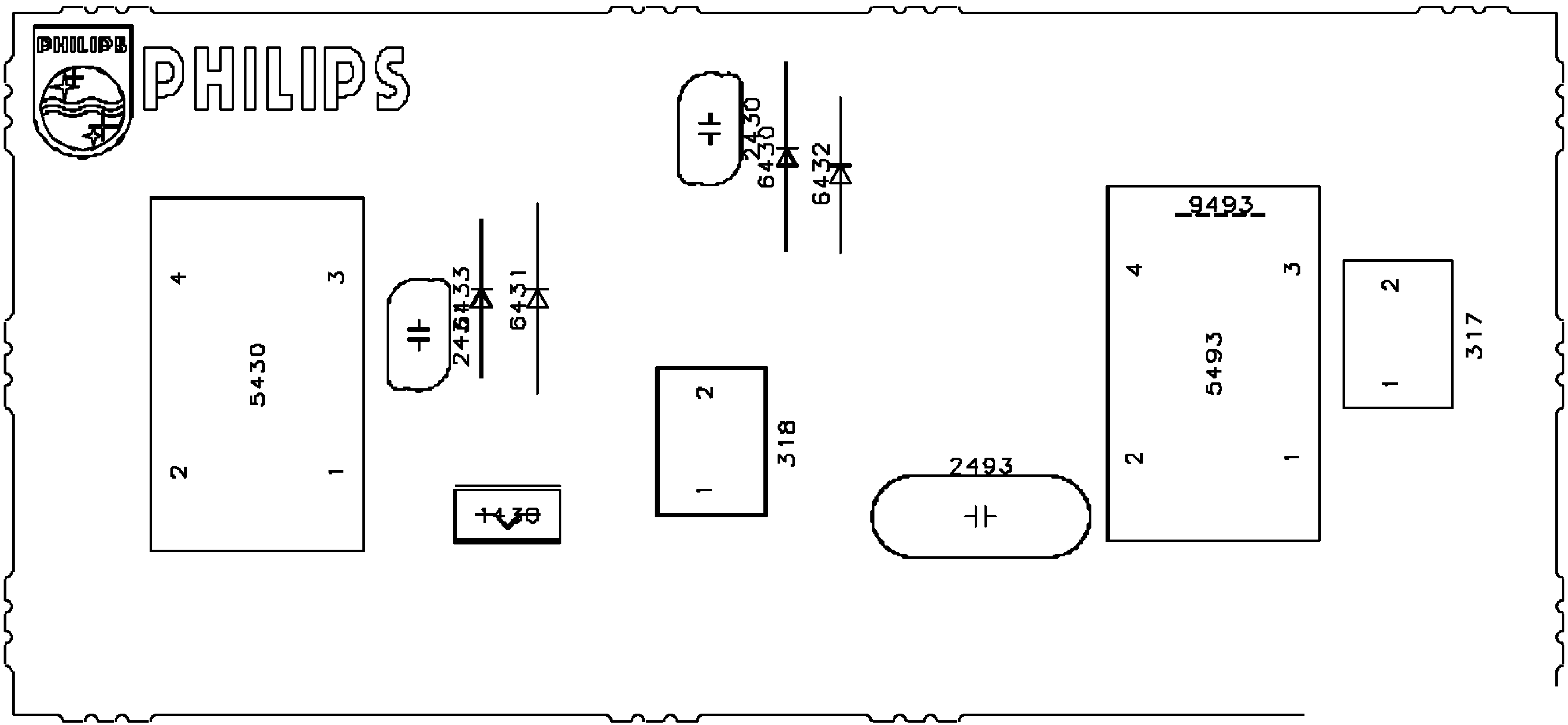
All Models (7644) - Layout CRT Panel (Top Side)



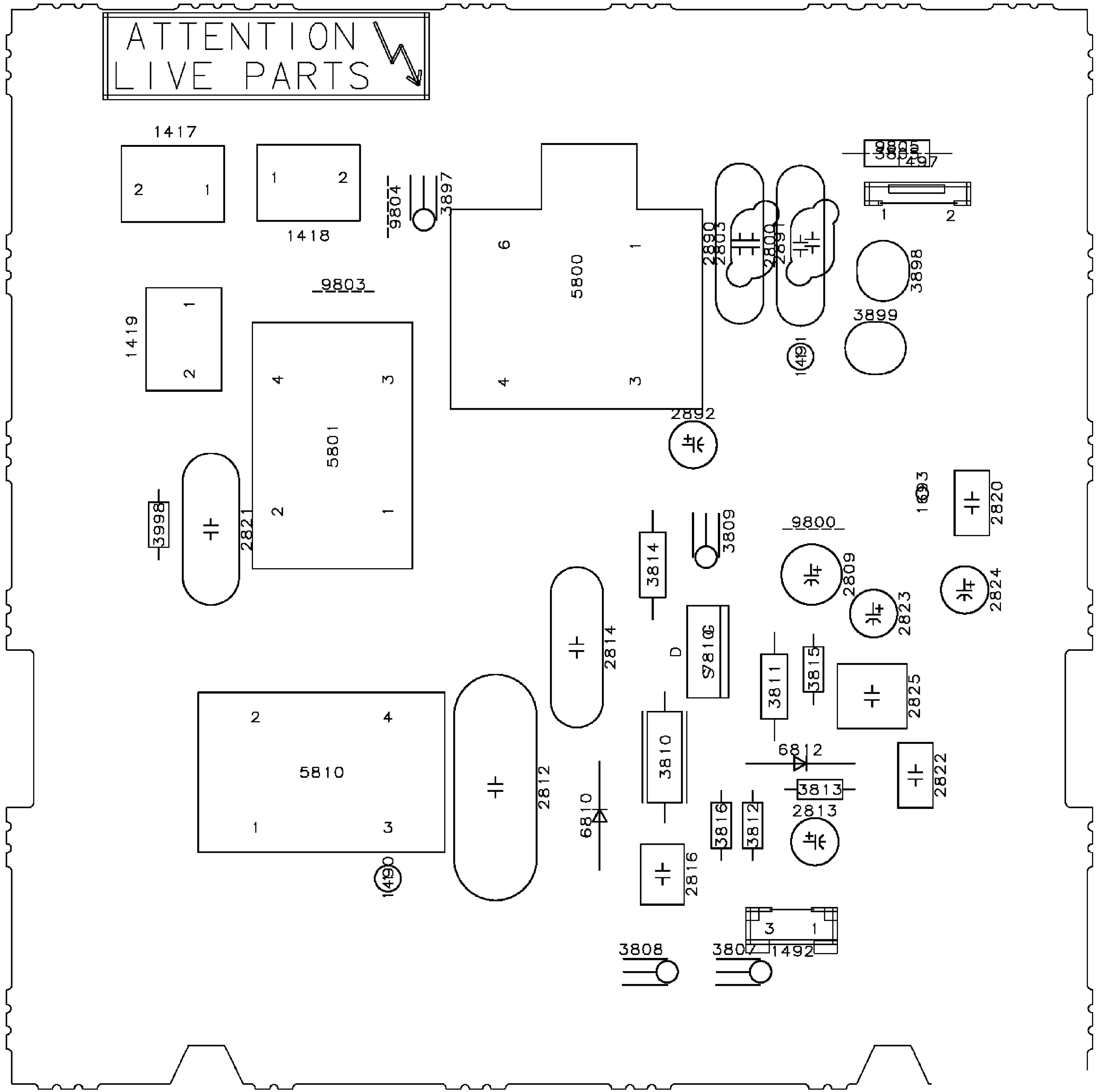
All Models (7644) - Layout CRT Panel (Bottom Side)



NOT USED IN MODELS: , 32PT740H37A (7644) - Layout DC Shift Panel



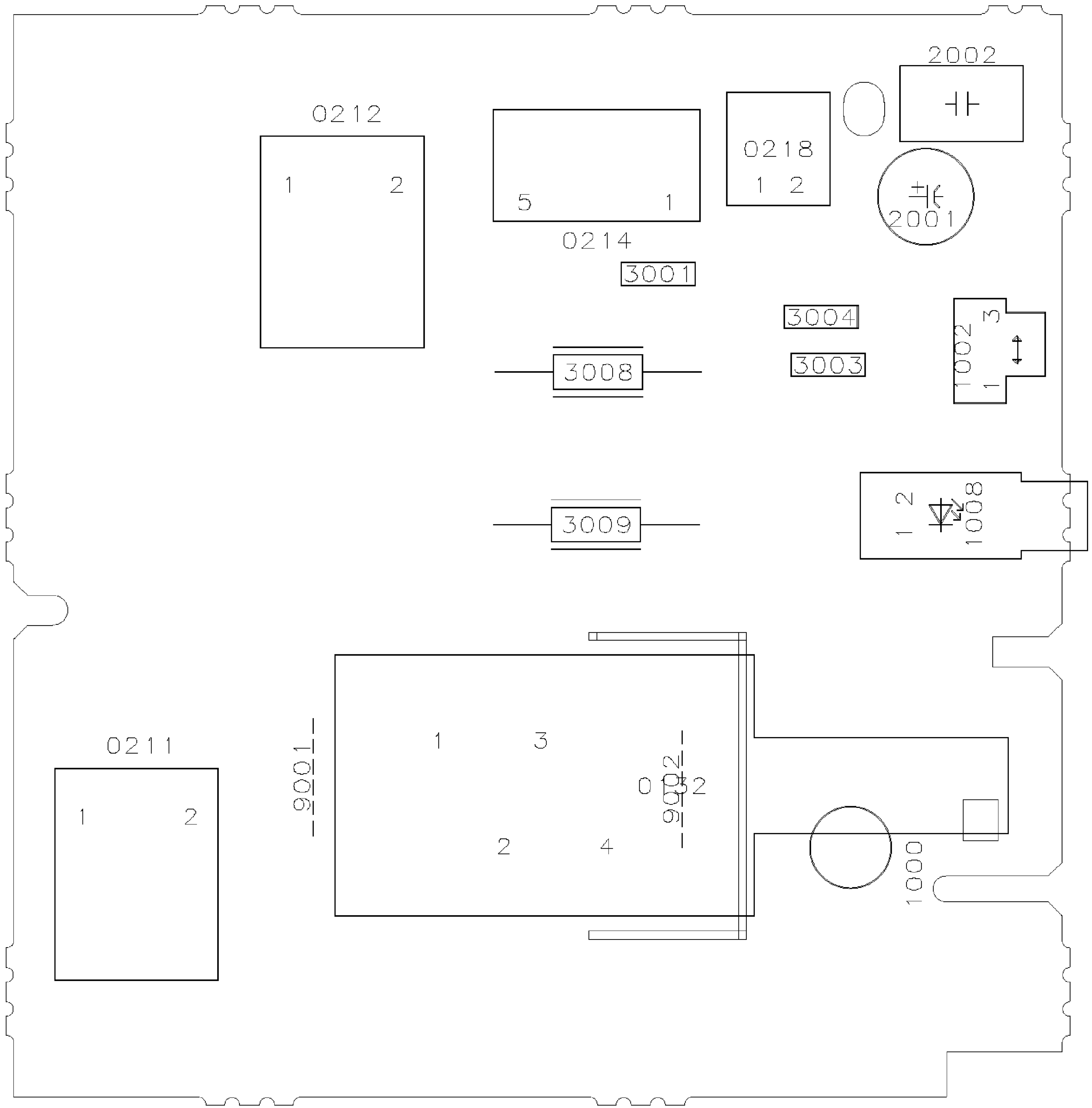
NOT USED IN MODELS: , 32PT740H37A (7644) - Layout VDAF + 2ND Order Panel (Top Side)



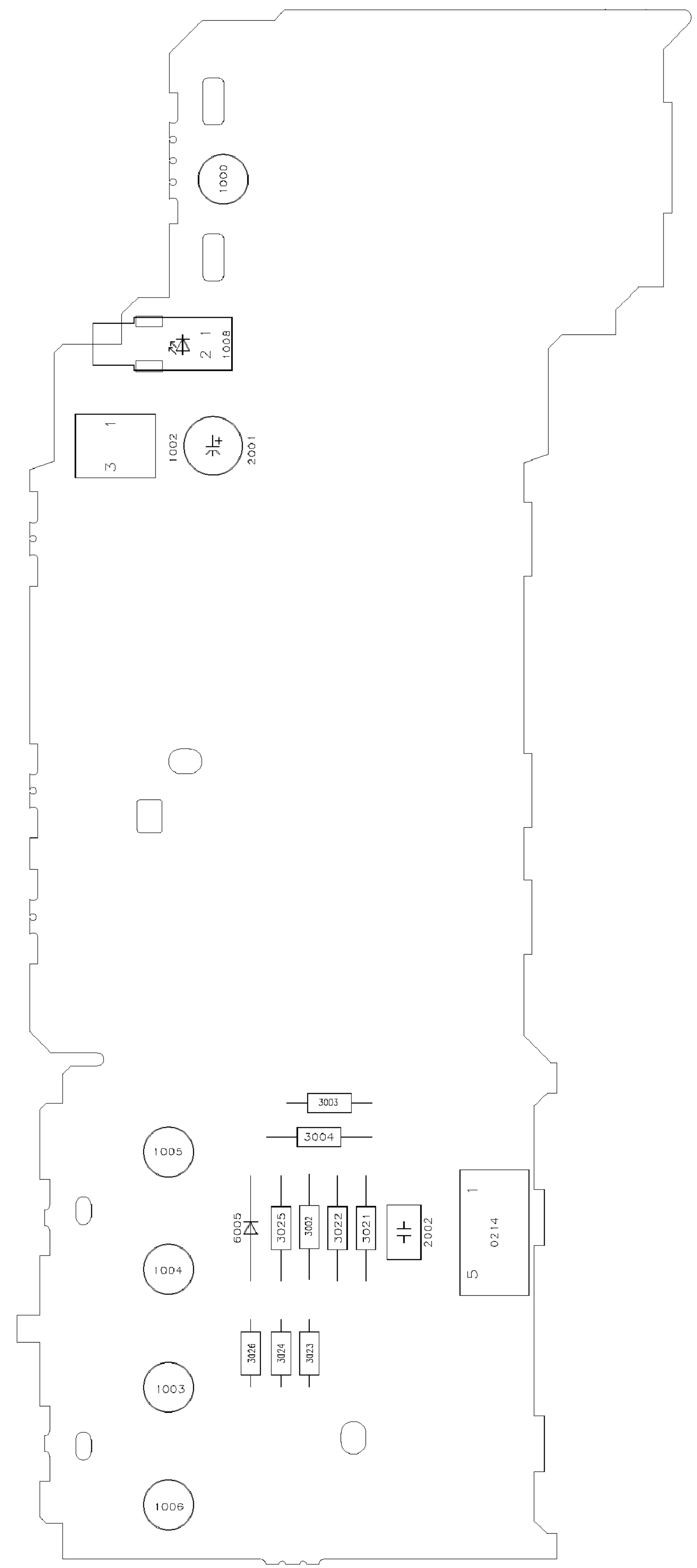
NOT USED IN MODELS: , 32PT740H37A (7644) - Layout VDAF + 2ND Order Panel (Bottom Side)



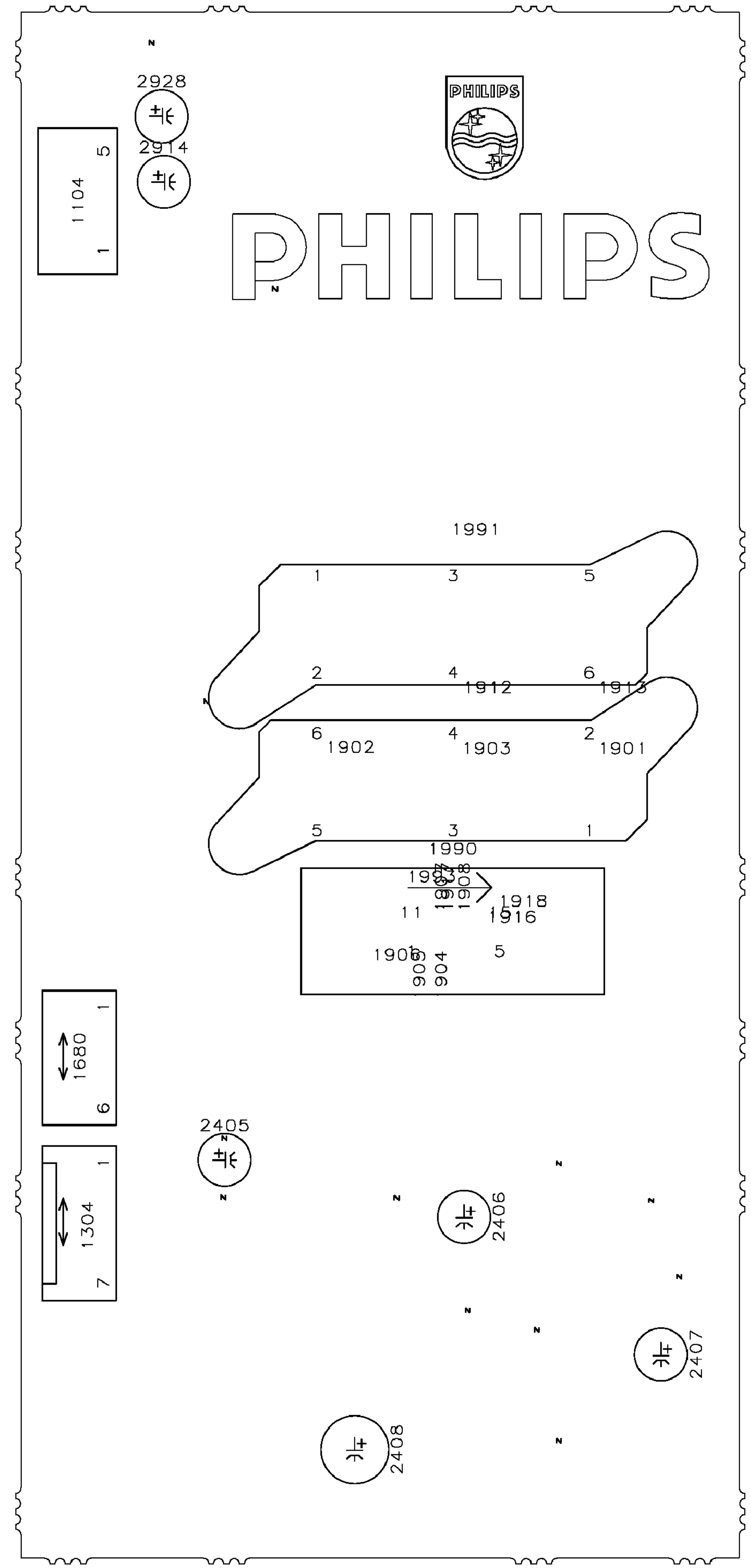
NOT USED IN MODELS: , 32PT740H37A (7644) - Layout Front Interface Panel (For PV0 & PV2 Styling) (Top Side)



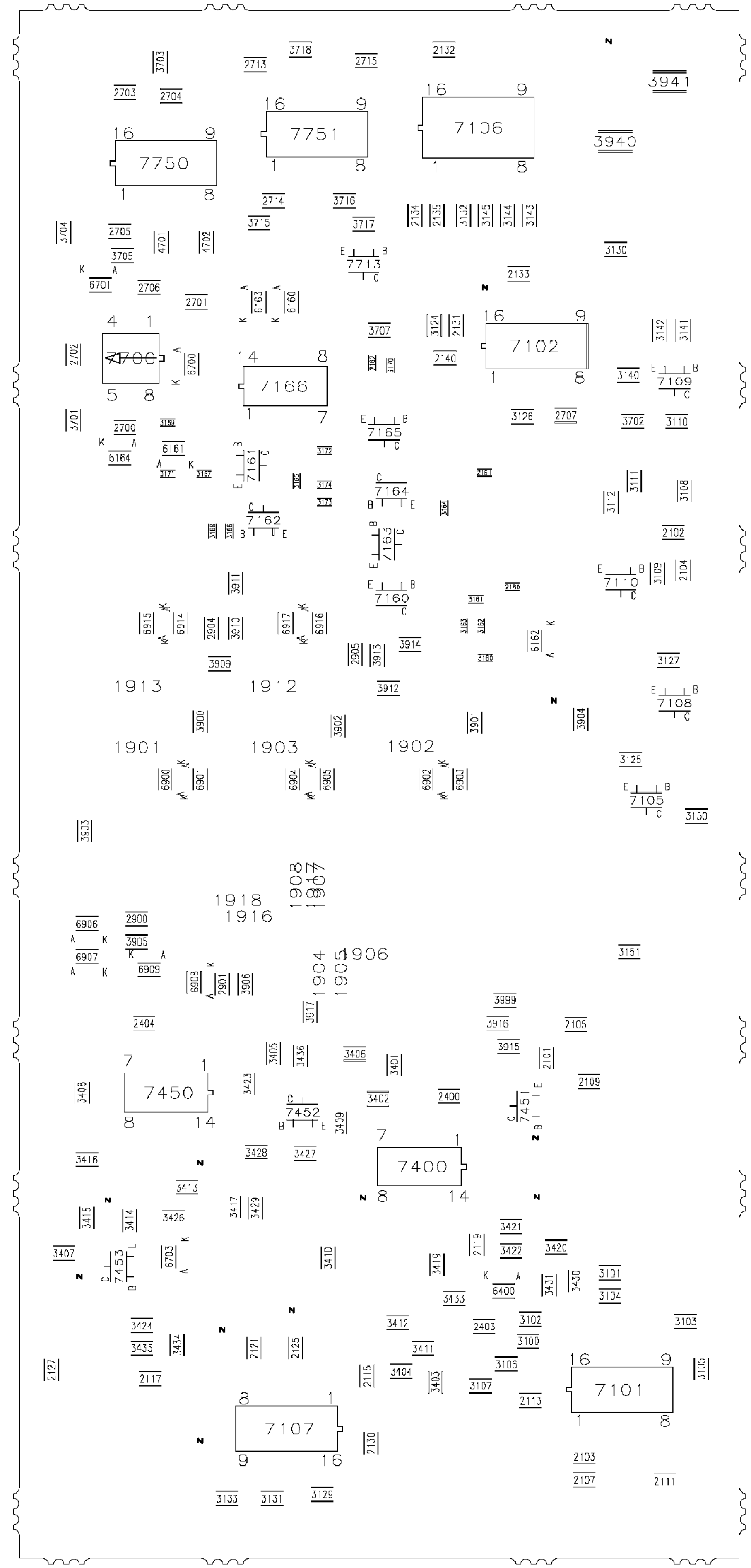
USED ONLY IN MODELS: 32PT740H37A (7644) - Layout Front Interface Panel (For SL3 Styling) (Top Side)



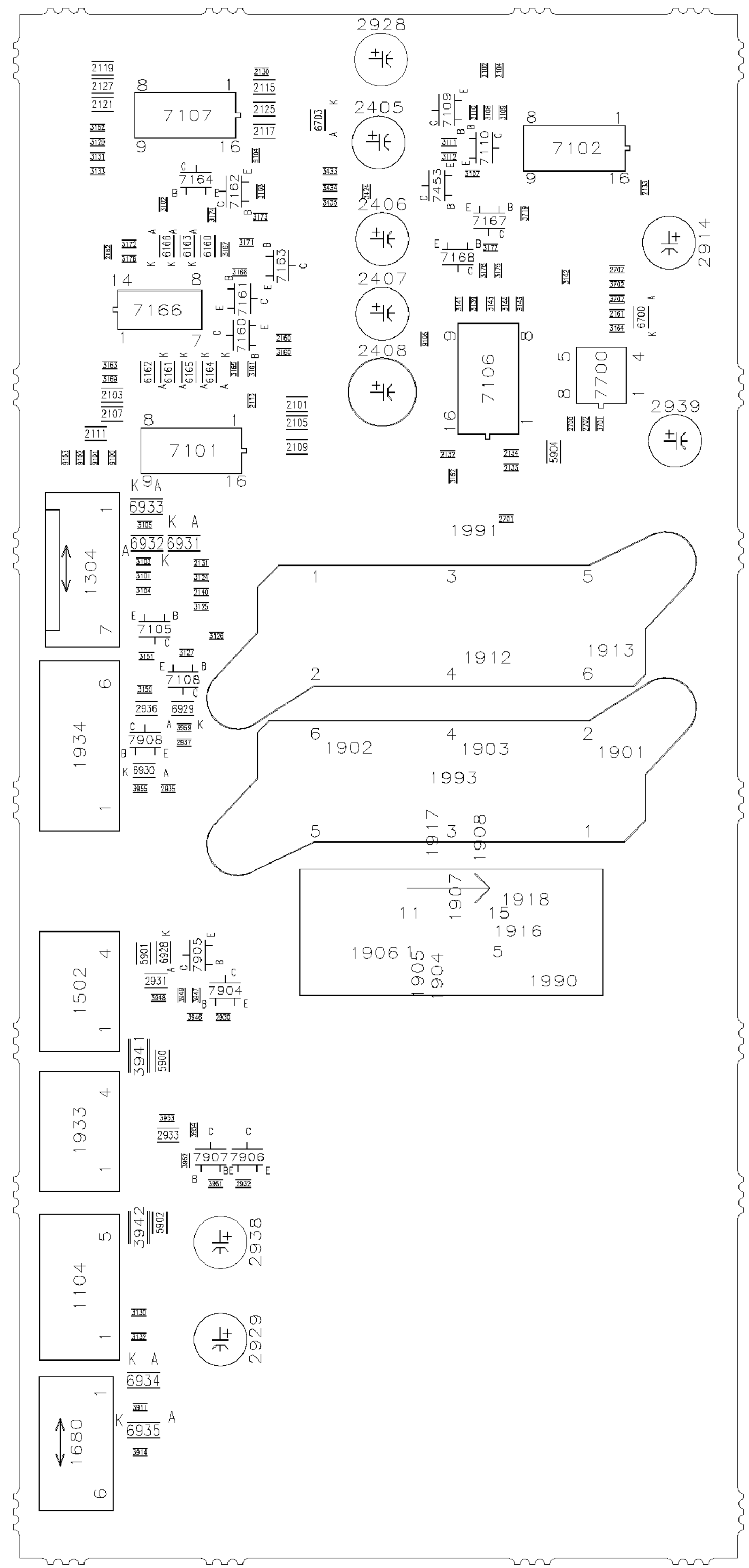
NOT USED IN MODELS: , 32PT842H37A, 36PT842H37D (7644) - Layout Jack High Definition Interface Panel (For no PIP) (Top Side)



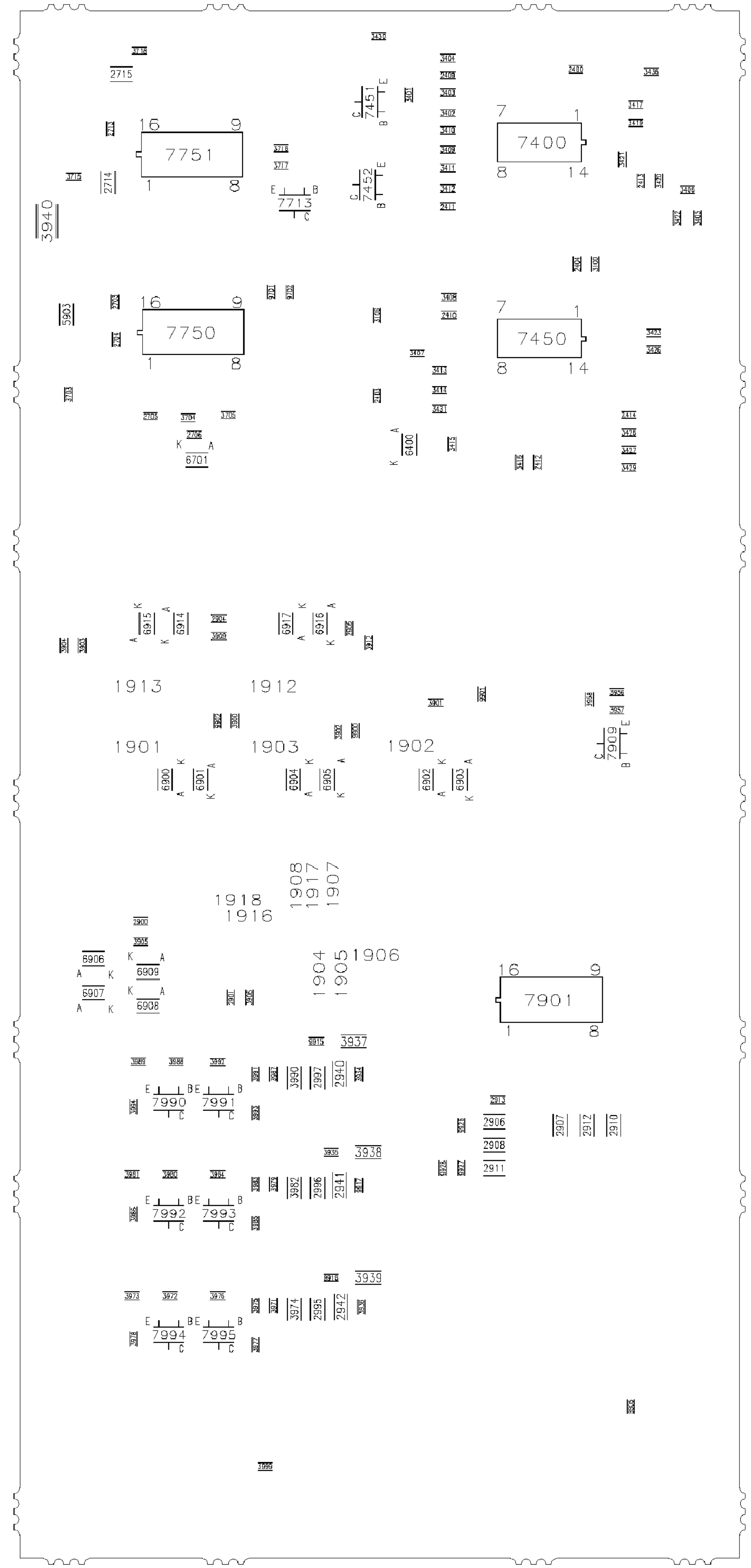
NOT USED IN MODELS: , 32PT842H37A, 36PT842H37D (7644) - Layout Jack High Definition Interface Panel (For no PIP) (Bottom Side)



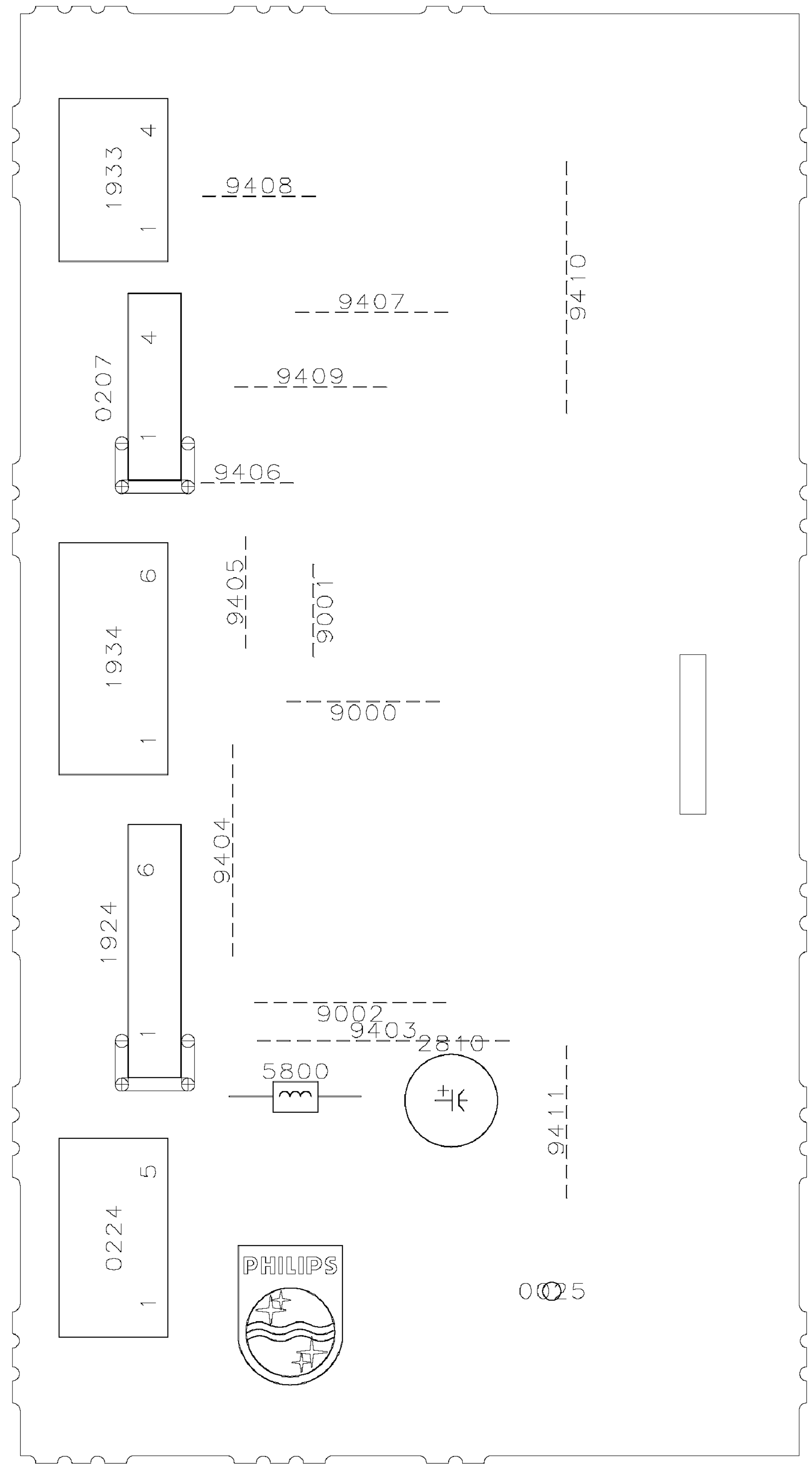
USED ONLY IN MODELS: 32PT842H37A, 36PT842H37D (7644) - Layout Jack High Definition Interface Panel (For PIP) (Top Side)



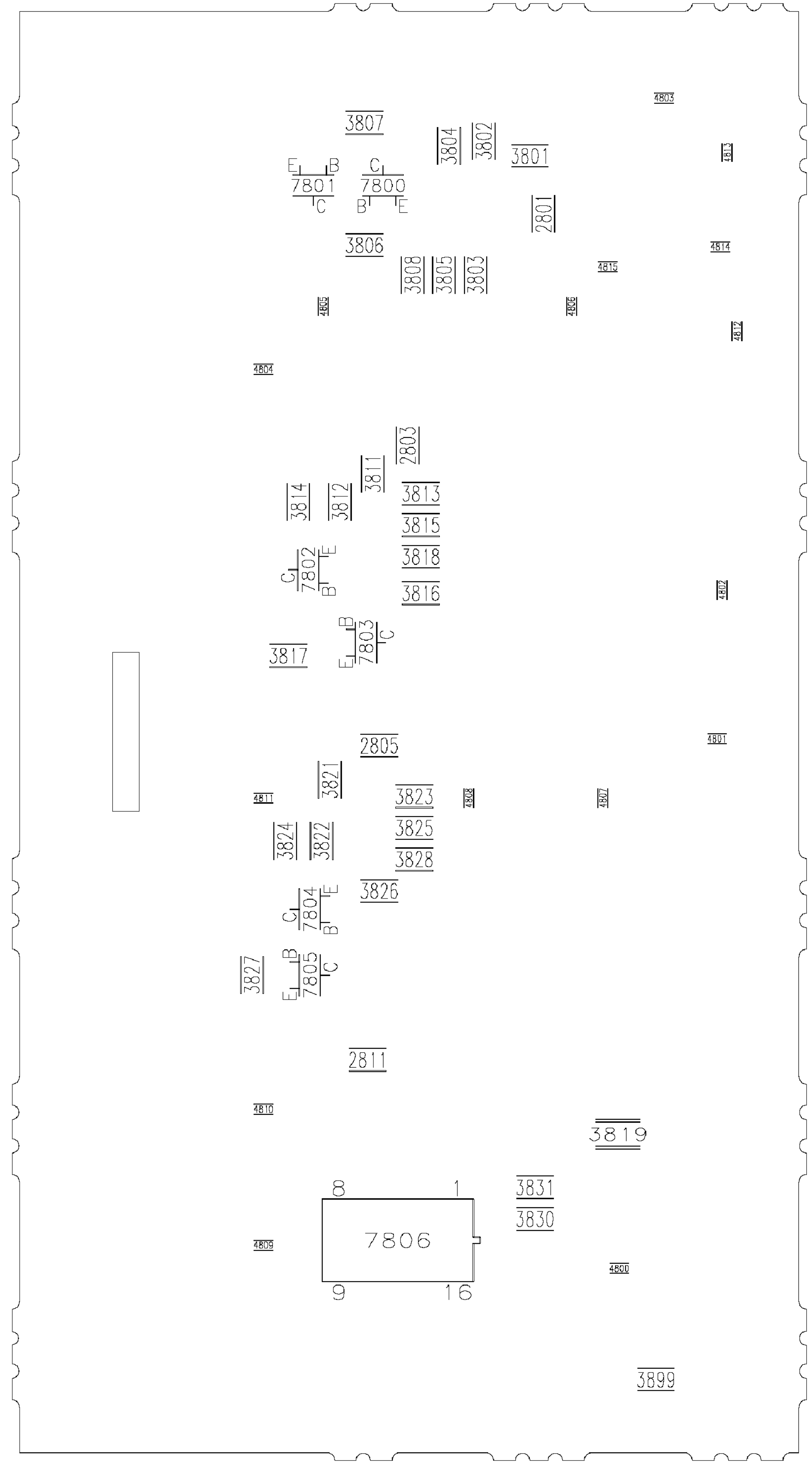
USED ONLY IN MODELS: 32PT842H37A, 36PT842H37D (7644) - Layout Jack High Definition Interface Panel (For PIP) (Bottom Side)

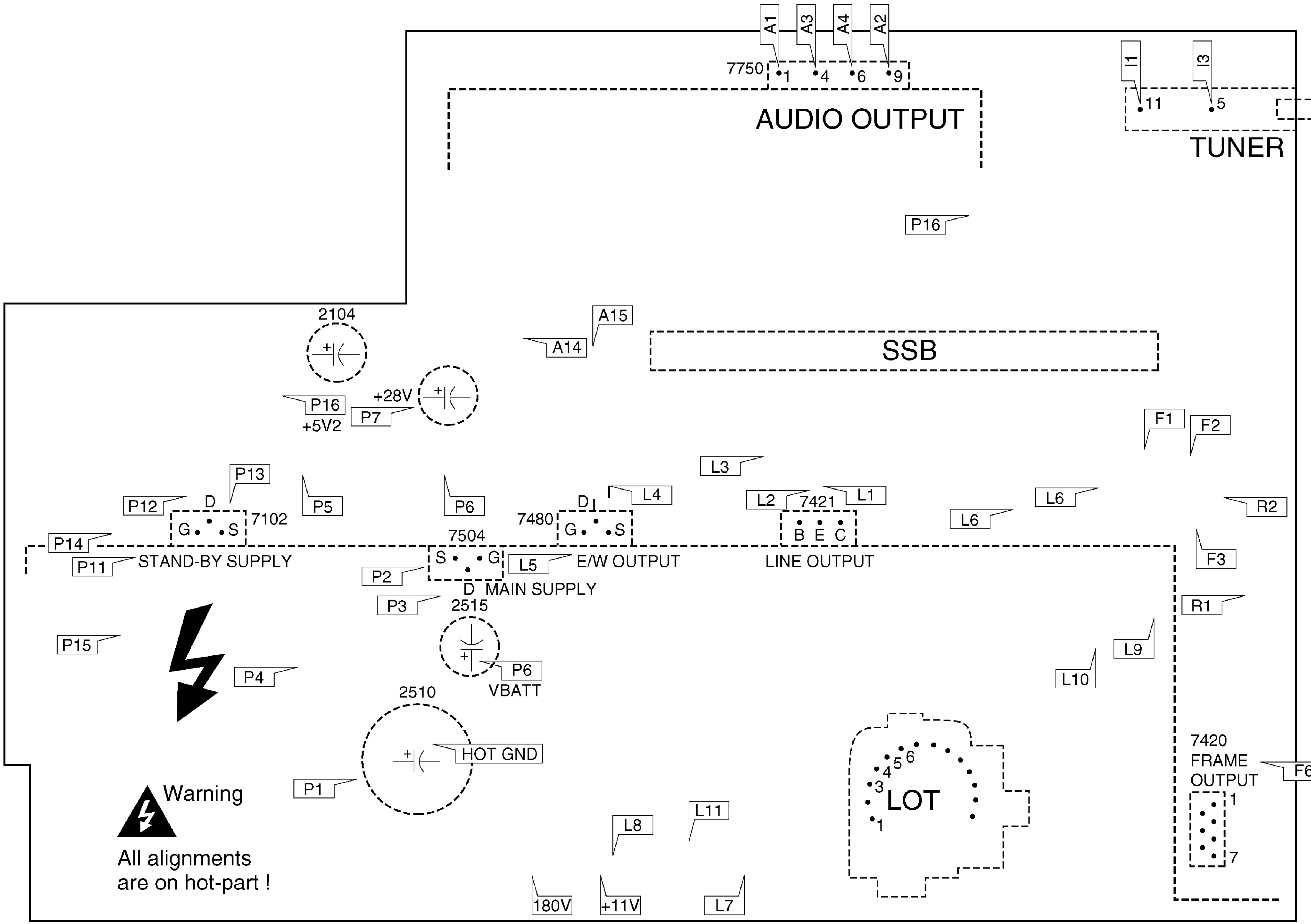


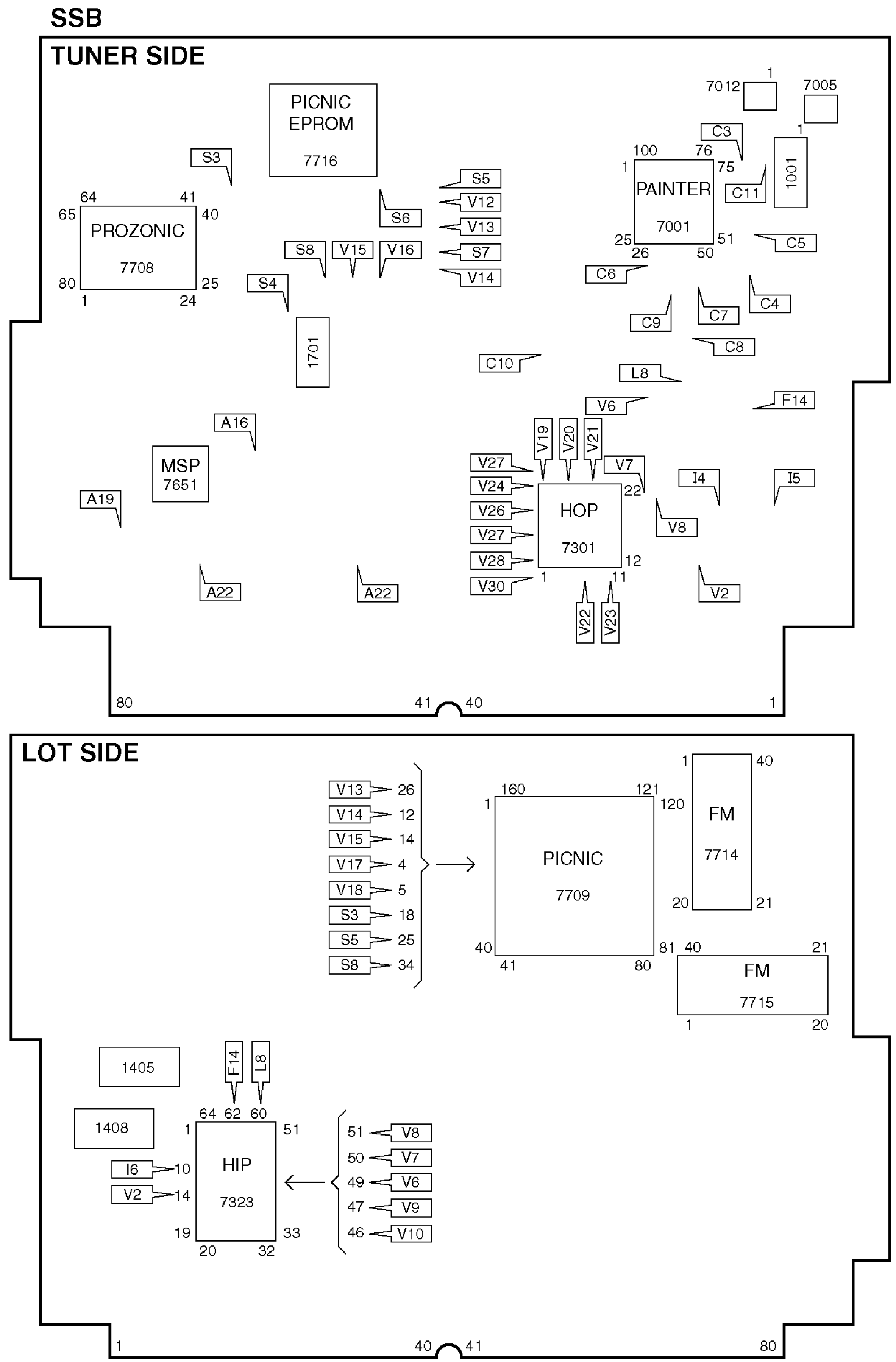
All Models (7644) - Layout YPbPr (Top Side)



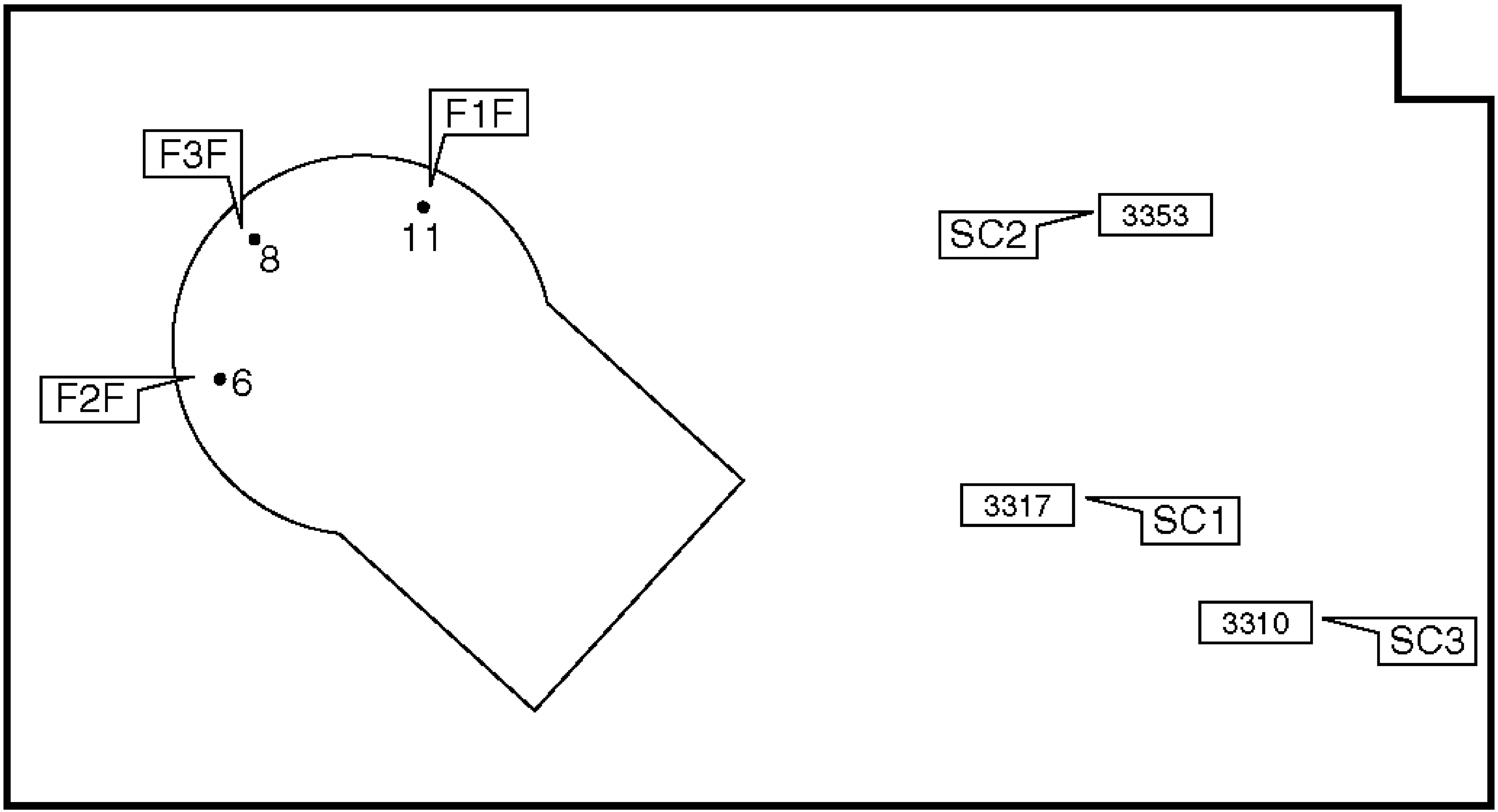
All Models (7644) - Layout YPbPr (Bottom Side)



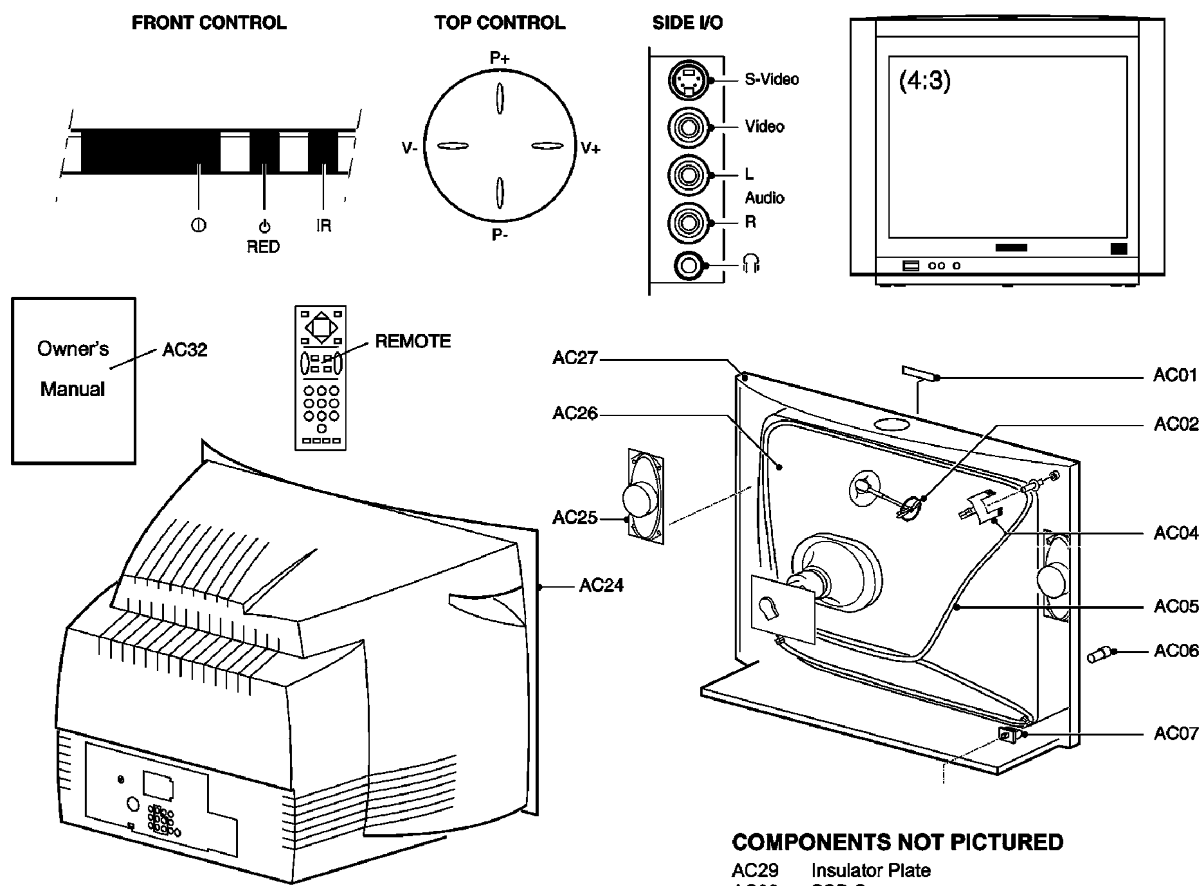

A1
A3
A4
A2
7750
1
4
6
9
AUDIO OUTPUT
I1
I3
11
5
TUNER
P16
2104
A15
A14
SSB
+28V
P16
P7
+5V2
F1
F2
L3
P13
P12
D
P5
P6
L4
D
L1
L2
7421
L6
L6
R2
7102
G
S
7480
G
S
B E C
P14
7504
F3
P11
STAND-BY SUPPLY
S
G
L5
E/W OUTPUT
LINE OUTPUT
P2
D
MAIN SUPPLY
R1
P3
2515
L9
P15
L10
P4
P6
VBATT
2510
7420
FRAME
OUTPUT
F6
HOT GND
P1
Warning
All alignments
are on hot-part !
LOT
1
3
4
5
6
1
7
L11
L8
180V
+11V
L7


SSB
TUNER SIDE
PICNIC EPROM 7716
PROZONIC 7708
PAINTER 7001
MSP 7651
HOP 7301
1701
1001
7012
7005
LOT SIDE
PICNIC 7709
FM 7714
FM 7715
HIP 7323
1405
1408

CRT PANEL (COPPER TRACK SIDE)

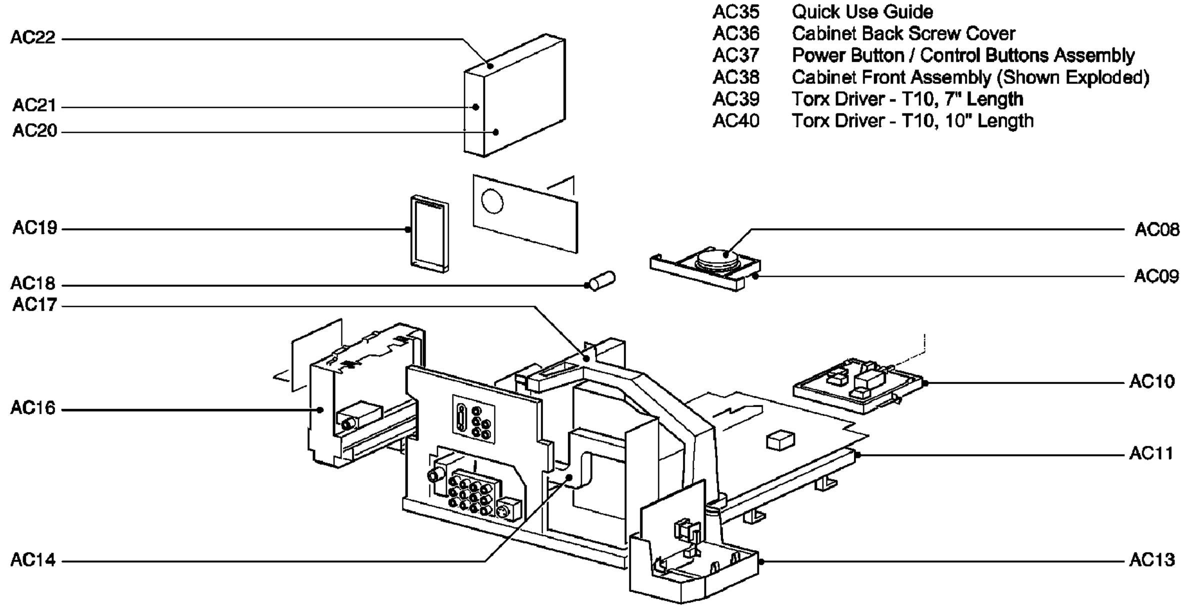


Typical Exploded View



COMPONENTS NOT PICTURED

AC29	Insulator Plate
AC30	SSB Snap
AC33	AC Power Cord
AC34	Batteries for Remote Control Transmitter
AC35	Quick Use Guide
AC36	Cabinet Back Screw Cover
AC37	Power Button / Control Buttons Assembly
AC38	Cabinet Front Assembly (Shown Exploded)
AC39	Torx Driver - T10, 7" Length
AC40	Torx Driver - T10, 10" Length



Large Signal Panel

		Large Signal Panel	
	CBA	Large Signal Panel	3104 328 26021
S	0010	2 Pin Board Connector.	2422 025 16374
S	0020	2 Pin Board Connector.	2422 025 16375
	0150	Fuse Holder.	2422 088 00271
	0153	Fuse Holder.	2422 088 00271
	0203	4 Pin Board Connector.	2422 025 04852
	0204	6 Pin Board Connector.	2422 025 04854
	0317	2 Pin Board Connector.	2422 025 16269
	0324	7 Pin Board Connector.	2422 025 04855
	0325	3 Pin Board Connector.	2422 025 16382
	0391	Contact Pin.	2422 015 18552
	0392	3 Pin Board Connector.	2422 025 04851
	1001	Spark Gap.	2422 549 42349
S	1002	Relay, 5 Amp, 5V	2422 132 07411
	1200	Tuner.	2422 542 90119
S	1401	Fuse, T200MA, 250V	2422 086 10562
S	1501	Fuse, T6A3, 250V	2422 086 00194
S	1503	Fuse, F2A5, 250V	2422 086 10987
	1735	3 Pin Board Connector.	2422 025 16407
	1736	3 Pin Board Connector.	2422 025 16382
	1900	12 Pin Cinch Jack.	2422 026 05064
	1901	SVHS Jack.	2422 026 04926
	1923	80 Pin SIMM Socket	2422 025 16599
	1924	5 Pin Board Connector.	2422 025 04853
	1936	11 Pin Board Connector	2422 025 12485
	1940	11 Pin Board Connector	2422 015 18953
	1943	3 Pin Board Connector.	2422 025 09191
	1945	3 Pin Board Connector.	2412 020 00725
	1946	2 Pin Board Connector.	2422 025 09405
	1947	5 Pin Board Connector.	2422 025 12481
	1951	5 Pin Board Connector.	2422 025 04853
S	1975	Fuse, 250MA, 65V	2422 086 10578
	2101	Cap, 2n2, 10%, 50v, Ceramic.	3198 019 12220
	2102	Cap, 47u, 20%, 25v, Electrolytic . . .	3198 025 34790
	2104	Cap, 2u2, 20%, 16v, Electrolytic . . .	3198 026 22220
	2106	Cap, 4n7, 10%, 50v, Ceramic.	3198 017 04720
	2108	Cap, 10n, 10%, 400v, Metalized Polyeste	2222 365 55103
	2109	Cap, 1u, +80/-20%, 16v, Ceramic. . . .	3198 017 21050
	2110	Cap, 1u, +80/-20%, 16v, Ceramic. . . .	3198 017 21050
S	2112	Cap, 100n, 20%, 275v, Metalized Polypro pylene	2222 336 29144
	2113	Cap, 4n7, 10%, 50v, Ceramic.	3198 017 04720
	2115	Cap, 1u, +80/-20%, 16v, Ceramic. . . .	3198 017 21050
	2116	Cap, 1u, +80/-20%, 16v, Ceramic. . . .	3198 017 21050
	2117	Cap, 220p, 10%, 500v, Ceramic.	3198 019 42210
	2120	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2132	Cap, 4n7, 10%, 50v, Ceramic.	3198 017 04720
	2200	Cap, 470u, 20%, 10v, Electrolytic. . .	3198 025 14710
	2201	Cap, 220n, +80/-20%, 25v, Ceramic. . .	3198 023 22240
	2202	Cap, 220n, +80/-20%, 50v, Ceramic. . .	2238 580 19814
	2203	Cap, 47u, 20%, 25v, Electrolytic . . .	3198 025 34790
	2400	Cap, 47u, 20%, 160v, Electrolytic. . .	2020 021 91139
	2402	Cap, 3n3, 10%, 500v, Ceramic	3198 019 43320
	2408	Cap, 100p, 5%, 50v, Ceramic.	3198 016 01010
	2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2412	Cap, 47n, +80/-20%, 50v, Ceramic . . .	3198 017 24730
	2413	Cap, 10u, 20%, 50v, Electrolytic . . .	2020 021 91548
	2414	Cap, 47n, +80/-20%, 50v, Ceramic . . .	3198 017 24730
	2415	Cap, 220p, 5%, 50v, Ceramic.	3198 016 02210
S	2416	Cap, 1n, 20%, v, Ceramic	2020 554 90129
	2417	Cap, 220n, +80/-20%, 25v, Ceramic. . .	3198 023 22240
	2419	Cap, 470p, 10%, 2000v, Ceramic	2020 558 90483
	2420	Cap, 1n2, 5%, 2000v, Polypropylene . .	2222 375 90226
	2421	Cap, 560n, 5%, 250v, Metalized Polyprop ylene.	2022 333 00088
	2424	Cap, 1n, 10%, 500v, Ceramic.	3198 019 41020
	2425	Cap, 9n1, 5%, 2000v, Polypropylene . .	2222 375 90174
	2426	Cap, 18n, 5%, 630v, Polypropylene. . .	2222 375 90218
	2429	Cap, 4n7, 10%, 400v, Metalized Polyeste	2222 365 55472
	2430	Cap, 10n, 10%, 100v, Metalized Polyeste	2222 365 85103
	2431	Cap, 1n, 10%, 500v, Ceramic.	3198 019 41020
	2433	Cap, 430n, 5%, 250v, Metalized Polyprop ylene.	2022 333 00164
	2436	Cap, 1u, 20%, 160v, Electrolytic . . .	2020 021 90561
	2446	Cap, 470p, 5%, 50v, Ceramic.	3198 016 04710
	2447	Cap, 470p, 5%, 50v, Ceramic.	3198 016 04710
	2448	Cap, 470p, 5%, 50v, Ceramic.	3198 016 04710
	2450	Cap, 100n, 10%, 100v, Metalized Polyest er.	2222 365 85104
	2454	Cap, 1u, 10%, 16v, Ceramic	2020 552 96448
	2455	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2459	Cap, 470p, 10%, 500v, Ceramic.	3198 019 44710
	2460	Cap, 3u3, 20%, 16v, Electrolytic . . .	3198 026 23320
	2461	Cap, 470p, 10%, 500v, Ceramic.	3198 019 44710
	2462	Cap, 1000u, 20%, 25v, Electrolytic . .	3198 026 31020
	2463	Cap, 470p, 10%, 500v, Ceramic.	3198 019 44710
	2464	Cap, 1000u, 20%, 25v, Electrolytic . .	3198 026 31020
	2465	Cap, 470p, 10%, 500v, Ceramic.	3198 019 44710
	2466	Cap, 100u, 20%, 10v, Electrolytic. . .	3198 025 11010
	2467	Cap, 100u, 20%, 10v, Electrolytic. . .	3198 025 11010

	2468	Cap, 4u7, 20%, 350v, Electrolytic. . .	2020 021 91304
	2469	Cap, 1n5, 10%, 1000v, Ceramic.	3198 019 61520
	2471	Cap, 18n, 2%, 63v, Polypropylene . . .	2222 460 90025
	2480	Cap, 4n7, 10%, 50v, Polyester.	3198 014 04720
	2485	Cap, 10n, 2%, 63v, Polypropylene . . .	2222 460 90022
	2489	Cap, 47u, 20%, 25v, Electrolytic . . .	3198 025 34790
	2492	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	2493	Cap, 22n, +80/-20%, 50v, Ceramic . . .	3198 017 22230
	2494	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2495	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2496	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2497	Cap, 220n, +80/-20%, 25v, Ceramic. . .	3198 023 22240
	2498	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2499	Cap, 3n3, 10%, 50v, Ceramic.	3198 017 03320
	2501	Cap, 2n2, 10%, 1000v, Ceramic.	2020 558 90571
	2502	Cap, 2n2, 10%, 50v, Ceramic.	3198 019 12220
	2503	Cap, 33n, 10%, 100v, Metalized Polyeste	2222 365 85333
S	2505	Cap, 3n3, 20%, v, Ceramic.	2020 554 90174
	2506	Cap, 470n, 10%, 100v, Metalized Polyest er.	2222 365 25474
	2507	Cap, 470n, 20%, 275v, Metalized Polypro pylene	2222 336 29148
	2509	Cap, 2n2, 10%, 1000v, Ceramic.	3198 019 52220
	2510	Cap, 470u, 20%, 200v, Electrolytic . .	2020 024 90647
	2511	Cap, 470u, 20%, 200v, Electrolytic . .	2020 024 90647
	2512	Cap, 1000u, 20%, 35v, Electrolytic . .	3198 026 41020
	2513	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2514	Cap, 330p, 10%, 50v, Ceramic	3198 017 03310
	2515	Cap, 47u, 20%, 160v, Electrolytic. . .	2020 021 91543
	2518	Cap, 150p, 10%, 500v, Ceramic.	3198 019 41510
	2519	Cap, 2n2, 10%, 500v, Ceramic	3198 019 42220
	2520	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2521	Cap, 270p, 5%, 50v, Ceramic.	3198 016 02710
	2529	Cap, 470u, 20%, 6.3v, Electrolytic . .	3198 025 04710
	2530	Cap, 470n, +80/-20%, 16v, Ceramic. . .	3198 017 24740
	2531	Cap, 1n5, 10%, 500v, Ceramic	3198 019 41520
	2536	Cap, 1u, 20%, 50v, Electrolytic. . . .	3198 025 51080
S	2537	Cap, 22n, 20%, 275v, Metalized Polyprop ylene.	2222 336 29139
	2538	Cap, 4n7, 10%, 50v, Ceramic.	3198 017 04720
	2601	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2602	Cap, 22u, 20%, 50v, Electrolytic . . .	3198 025 52290
	2603	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2604	Cap, 10u, 20%, 50v, Electrolytic . . .	3198 025 51090
	2606	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2607	Cap, 4u7, 20%, 100v, Electrolytic. . .	3198 025 74780
	2609	Cap, 220u, 20%, 16v, Electrolytic. . .	3198 025 22210
	2610	Cap, 2n2, 10%, 50v, Ceramic.	3198 017 02220
	2611	Cap, 330n, 10%, 16v, Ceramic	2222 780 15656
	2620	Cap, 220n, +80/-20%, 50v, Ceramic. . .	2238 580 19814
	2621	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 21040
	2622	Cap, 100u, 20%, 50v, Electrolytic. . .	3198 025 51010
	2624	Cap, 470n, 10%, 50v, Polyester	3198 014 04740
	2625	Cap, 470n, 10%, 50v, Polyester	3198 014 04740
	2627	Cap, 10u, 20%, 100v, Electrolytic. . .	3198 025 71090
	2639	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2640	Cap, 4u7, 20%, 50v, Electrolytic . . .	3198 025 54780
	2641	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2642	Cap, 100u, 20%, 50v, Electrolytic. . .	2020 021 90587
	2643	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2653	Cap, 1n, 5%, 50v, Ceramic.	3198 016 01020
	2654	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	2704	Cap, 47u, 20%, 50v, Electrolytic . . .	3198 025 54790
	2730	Cap, 22u, 20%, 50v, Electrolytic . . .	3198 025 52290
	2731	Cap, 22u, 20%, 50v, Electrolytic . . .	3198 025 52290
	2732	Cap, 100u, 20%, 50v, Electrolytic. . .	3198 025 51010
	2733	Cap, 100u, 20%, 50v, Electrolytic. . .	3198 025 51010
	2734	Cap, 22u, 20%, 50v, Electrolytic . . .	3198 025 52290
	2735	Cap, 22u, 20%, 50v, Electrolytic . . .	3198 025 52290
	2738	Cap, 470u, 20%, 16v, Electrolytic. . .	3198 025 24710
	2739	Cap, 470u, 20%, 16v, Electrolytic. . .	3198 025 24710
	2756	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	2758	Cap, 4u7, 20%, 50v, Electrolytic . . .	3198 025 54780
	2760	Cap, 1000u, 20%, 25v, Electrolytic . .	3198 026 31020
	2761	Cap, 1000u, 20%, 25v, Electrolytic . .	3198 026 31020
	2765	Cap, 100u, 20%, 50v, Electrolytic. . .	3198 025 51010
	2767	Cap, 220u, 20%, 25v, Electrolytic. . .	3198 025 32210
	2782	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	2784	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2785	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2788	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2905	Cap, 3u3, 20%, 16v, Electrolytic . . .	3198 026 23320
	2906	Cap, 100p, 5%, 50v, Ceramic.	3198 016 01010
	2910	Cap, 100p, 5%, 50v, Ceramic.	3198 016 01010
	2912	Cap, 10u, 20%, 50v, Electrolytic . . .	3198 025 51090
	2913	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2914	Cap, 100u, 20%, 10v, Electrolytic. . .	3198 025 11010
	2917	Cap, 100p, 5%, 50v, Ceramic.	3198 016 01010
	2920	Cap, 100p, 5%, 50v, Ceramic.	3198 016 01010
	2921	Cap, 1n, 5%, 50v, Ceramic.	3198 016 01020
	2923	Cap, 330p, 5%, 50v, Ceramic.	3198 016 03310
	2925	Cap, 330p, 5%, 50v, Ceramic.	3198 016 03310

S = Safety Part   Be sure to use exact replacement part.

27PT830H37C (continued)

2926	Cap, 470u, 20%, 6.3v, Electrolytic . .	3198 025 04710
2927	Cap, 47u, 20%, 50v, Electrolytic . . .	3198 025 54790
2928	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2941	Cap, 6n8, 10%, 50v, Ceramic.	3198 017 06820
2942	Cap, 6n8, 10%, 50v, Ceramic.	3198 017 06820
2951	Cap, 1u, 20%, 50v, Electrolytic. . . .	3198 025 51080
2952	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
2953	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
3101	Res, 3M3, 5%, 1/4W, Metalized Glass. .	2322 241 53335
3102	Res, 680 ohm, 1%, 3/5W, Metal Film . .	2312 915 16801
3103	Res, 680 ohm, 1%, 3/5W, Metal Film . .	2312 915 16801
3104	Res, 47 ohm, 5%, 1/6W, Carbon Film . .	3198 011 04790
3105	Res, 680 ohm, 1%, 3/5W, Metal Film . .	2312 915 16801
3106	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3107	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3108	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
3109	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
S 3110	Res, 10 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03109
3113	Res, 22 ohm, 5%, 1/6W, Carbon Film . .	3198 011 02290
3114	Res, 220 ohm, 5%, 1/6W, Carbon Film. .	3198 011 02210
3117	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
3118	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
3119	Res, 33 ohm, 5%, 1/6W, Carbon Film . .	3198 011 03390
3120	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
3121	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
3123	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
3124	Res, 68 ohm, 5%, 1/6W, Carbon Film . .	3198 011 06890
3125	Res, 15 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01590
3126	Res, 10K, 5%, 1/6W, Carbon Film. . . .	3198 011 01030
3127	Res, 5K6, 5%, 1/6W, Carbon Film. . . .	3198 011 05620
3130	Res, 47 ohm, 5%, 1/6W, Carbon Film . .	3198 011 04790
3148	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
3200	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3201	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3202	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3203	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
S 3230	Res, 22K, 5%, 1 1/3W, Metal Film . . .	3198 012 22230
3237	Wire Jumper.	3198 036 90010
3402	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
3403	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3404	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
3406	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3407	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3408	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
3409	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3410	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
3411	Res, 39 ohm, 5%, 1/4W, Carbon Film . .	2120 101 74399
3414	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
S 3415	Res, 15 ohm, 5%, 2 1/2W, Metal Film. .	3198 012 31590
3417	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
3418	Res, 33K, 1%, 3/5W, Metal Film	2312 915 13303
S 3431	Res, 330 ohm, 5%, 1/3W, Metal Film . .	2306 204 03331
S 3436	Res, 22K, 5%, 1 1/3W, Metal Film . . .	3198 012 22230
3450	Res, 12K, 5%, 1/6W, Carbon Film. . . .	3198 011 01230
3451	Res, 8K2, 5%, 1/6W, Carbon Film. . . .	3198 011 08220
3452	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3454	Res, 2K7, 5%, 1/10W, Metalized Glass .	3198 021 52720
3455	Res, Zero ohm, "Chip" Jumper	3198 021 90020
3458	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
S 3459	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S 3460	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S 3461	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S 3462	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S 3463	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S 3464	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S 3465	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S 3466	Res, 2R2, 5%, 1/3W, Metal Film	2306 204 03228
S 3467	Res, 2R2, 5%, 1/3W, Metal Film	2306 204 03228
S 3468	Res, 6R8, 5%, 1/2W, Metal Film	2306 207 03688
3470	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
3471	Res, 6K8, 5%, 1/10W, Metalized Glass .	3198 021 56820
3472	Res, 39K, 5%, 1/10W, Metalized Glass .	3198 021 53930
3473	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
3474	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3475	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
3476	Res, 220K, 5%, 1/6W, Carbon Film . . .	3198 011 02240
3477	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3478	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
S 3479	Res, 100 ohm, 5%, 1 1/3W, Metal Film .	3198 012 21010
3481	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
3484	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3485	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3486	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
3487	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
3489	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
3490	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
3495	Res, 33K, 1%, 3/5W, Metal Film	2312 915 13303
3496	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3497	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3498	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3499	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
S 3500	Res, 0R47, 10%, 7W, Wire Wound	2322 252 41477
S 3501	Res, 220 ohm, 20%, 1/2W, Carbon Film .	3198 013 02210
S 3502	Res, 4M7, 5%, 1/2W, Metalized Glass. .	2322 242 13475
S 3503	Res, 4M7, 5%, 1/2W, Metalized Glass. .	2322 242 13475
3504	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
3505	Res, 68K, 5%, 1/10W, Metalized Glass .	3198 021 56830
3506	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
3507	Res, 160K, 1%, 3/5W, Metal Film. . . .	2312 915 11604
S 3508	Res, 6K8, 5%, 1W, Metal Film	3198 012 16820
S 3509	VDR, 800V.	2322 595 90025
3510	Res, 2K, 1%, 1/8W, Metalized Glass . .	2322 734 62002
3511	Res, 3K9, 5%, 1/6W, Carbon Film. . . .	3198 011 03920
3512	Res, 68K, 5%, 1/6W, Carbon Film. . . .	3198 011 06830
3513	Res, 330K, 5%, 1W, Metal Film.	2322 193 53334
3514	Res, 1R2, 5%, 1W, Metal Film	2322 193 53128
3515	Res, 0R68, 5%, 3/5W, Metal Film. . . .	3198 012 16870
3517	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
3518	Res, 100K, 5%, 1/6W, Carbon Film . . .	3198 011 01040
3519	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
S 3520	Res, 33K, 5%, 2 1/2W, Metal Film . . .	3198 012 33330
S 3521	Res, 1M, 5%, 1/2W, Metalized Glass . .	2322 242 13105
3522	Res, 6K8, 5%, 1/6W, Carbon Film. . . .	3198 011 06820
3523	Res, 1M, 5%, 1/10W, Metalized Glass. .	3198 021 51050
3524	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3525	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
3526	Res, 0R1, 5%, 3/5W, Metal Film	3198 012 11070
3527	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
3528	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3529	Res, 680 ohm, 5%, 1/10W, Metalized Glas	3198 021 56810
3530	Res, 68K, 5%, 1/6W, Carbon Film. . . .	3198 011 06830
3531	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
S 3532	Res, PTC, 3R5, Degaussing.	2322 662 96757
3533	Res, 15 ohm, 5%, 1/10W, Metalized Glass	3198 021 51590
3535	Res, 27K, 5%, 1/10W, Metalized Glass .	3198 021 52730
3536	Res, 680K, 5%, 1/10W, Metalized Glass.	3198 021 56840
3537	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
3540	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
3541	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
3542	Res, 0R15, 5%, 3/5W, Metal Film. . . .	3198 012 11570
3543	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
3544	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
3545	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
3550	Res, 220 ohm, 20%, 1/2W, Carbon Film .	3198 013 02210
3600	Res, 470K, 1%, 3/5W, Metal Film. . . .	2312 915 14704
3601	Res, 470K, 1%, 3/5W, Metal Film. . . .	2312 915 14704
3602	Res, 8K2, 5%, 1/10W, Metalized Glass .	3198 021 58220
3603	Trim Pot, 470 ohm.	2120 368 90118
3604	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
3605	Res, 27K, 5%, 1/10W, Metalized Glass .	3198 021 52730
3606	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3607	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
3608	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
3609	Trim Pot, 22k.	2120 368 90124
3610	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
3612	Res, 270K, 5%, 1/8W, Metalized Glass .	2322 730 61274
3613	Res, 270K, 5%, 1/8W, Metalized Glass .	2322 730 61274
3614	Res, 150K, 1%, 3/5W, Metal Film. . . .	2312 915 11504
3615	Res, 560K, 5%, 1/4W, Carbon Film . . .	2120 101 74564
3616	Res, 470K, 5%, 1/6W, Carbon Film . . .	3198 011 04740
3617	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3618	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3619	Res, 5K6, 5%, 1/10W, Metalized Glass .	3198 021 55620
3620	Res, 1 ohm, 5%, 1/6W, Carbon Film. . .	3198 011 01080
3621	Res, 1 ohm, 5%, 1/6W, Carbon Film. . .	3198 011 01080
3622	Res, 1 ohm, 5%, 1/6W, Carbon Film. . .	3198 011 01080
3623	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
S 3624	Res, 1R5, 5%, 1/3W, Metal Film	2306 204 03158
3625	Res, 220 ohm, 5%, 1/6W, Carbon Film. .	3198 011 02210
3626	Res, 220 ohm, 5%, 1/6W, Carbon Film. .	3198 011 02210
3627	Res, 12K, 5%, 1/6W, Carbon Film. . . .	3198 011 01230
3628	Res, 3R3, 5%, 1/4W, Carbon Film. . . .	2120 101 74338
3630	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3631	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
3632	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3633	Res, 150K, 5%, 1/10W, Metalized Glass.	3198 021 51540
3635	Res, 1K5, 5%, 1/10W, Metalized Glass .	3198 021 51520
3636	Res, 330K, 5%, 1/10W, Metalized Glass.	3198 021 53340
3639	Res, 470K, 5%, 1/10W, Metalized Glass.	3198 021 54740
3640	Res, 22K, 5%, 1/6W, Carbon Film. . . .	3198 011 02230
3641	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3642	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3643	Res, 33K, 5%, 1/10W, Metalized Glass .	3198 021 53330
3644	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3645	Res, 330K, 5%, 1/6W, Carbon Film . . .	3198 011 03340
3652	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3653	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
3654	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3654	LED	
3654	LED	
3661	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3663	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3701	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3702	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030

S = Safety Part   Be sure to use exact replacement part.

27PT830H37C (continued)

	Ref	Description	Part No.
	3705	Res, 1K2, 5%, 1/10W, Metalized Glass .	3198 021 51220
	3706	Res, 1K2, 5%, 1/10W, Metalized Glass .	3198 021 51220
	3710	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3711	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3714	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3715	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3716	Res, 1K5, 5%, 1/10W, Metalized Glass .	3198 021 51520
	3717	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3730	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3731	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3732	Res, 8K2, 5%, 1/10W, Metalized Glass .	3198 021 58220
	3733	Res, 8K2, 5%, 1/10W, Metalized Glass .	3198 021 58220
	3734	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3735	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3736	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3737	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3738	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3739	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3740	Res, 68K, 5%, 1/10W, Metalized Glass .	3198 021 56830
	3741	Res, 68K, 5%, 1/10W, Metalized Glass .	3198 021 56830
	3742	Res, 68 ohm, 5%, 1/6W, Carbon Film . .	3198 011 06890
	3743	Res, 68 ohm, 5%, 1/6W, Carbon Film . .	3198 011 06890
	3744	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3745	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3750	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3756	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3757	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3758	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3762	Res, 8R2, 5%, 1/8W, Metalized Glass. .	2322 730 61828
	3765	Res, 6K8, 5%, 1/10W, Metalized Glass .	3198 021 56820
	3770	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3773	Res, 150K, 5%, 1/10W, Metalized Glass.	3198 021 51540
	3789	Res, 8R2, 5%, 1/8W, Metalized Glass. .	2322 730 61828
	3790	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3792	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3908	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3909	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3910	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3911	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3912	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3913	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3914	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3915	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3919	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3920	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
S	3925	Res, 6R8, 5%, 1/3W, Metal Film	2306 204 03688
	3928	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3929	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3930	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
	3932	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3935	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3936	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3937	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3940	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3941	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3944	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3946	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3950	Res, 1K8, 5%, 1/6W, Carbon Film. . . .	3198 011 01820
	3955	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3970	Res, 120 ohm, 5%, 1/10W, Metalized Glas	3198 021 51210
	3971	Res, 2K7, 5%, 1/10W, Metalized Glass .	3198 021 52720
	3972	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3975	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3991	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3992	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3993	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3995	Wire Jumper.	3198 036 90010
	3996	Wire Jumper.	3198 036 90010
	3997	Wire Jumper.	3198 036 90010
	4102	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4401	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4402	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4403	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4405	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4406	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4407	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4408	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4409	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4410	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4412	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4413	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4415	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4416	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4441	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4442	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4443	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4444	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4483	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4521	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4522	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4611	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4619	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4634	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4702	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4707	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4710	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4722	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4723	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4724	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4901	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4902	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4904	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4906	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4908	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4910	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4911	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4915	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4916	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4919	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4920	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4921	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4923	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4924	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4926	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4927	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4928	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4929	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4930	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4932	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4933	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4934	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4935	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4937	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4938	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4939	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4941	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4945	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4946	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4947	Res, Zero ohm, "Chip" Jumper	3198 021 90020
S	5101	Standby Power Transformer.	2422 531 02449
	5102	Coil, 8u2.	3198 018 28280
	5103	Ferrite Bead, 50MHz.	2422 535 95748
	5104	Ferrite Bead, 100MHz	3198 018 90020
	5105	Ferrite Bead, 50MHz.	2422 535 95748
	5106	Coil, 1u	3198 018 11080
	5110	Ferrite Bead, 100MHz	3198 018 90020
	5115	Ferrite Bead, 100MHz	3198 018 90020
	5120	Coil, 680n	3198 018 16870
	5200	Coil, 6u8.	2422 535 94267
	5203	Inductor, 100MHz, 600 ohm.	3198 018 90080
	5204	Inductor, 100MHz, 600 ohm.	3198 018 90080
	5205	Inductor, 100MHz, 600 ohm.	3198 018 90080
	5400	Coil, 33u.	3198 018 73390
S	5410	Transformer, Driver, S16944.	2422 531 02447
	5411	Coil, 560n	2422 535 95339
	5421	Coil, 6u	2422 536 00102
	5422	Bridge Coil, W7132-004	2422 531 02357
	5426	Coil, 2u4.	2422 535 95097
S	5430	Line Output Transformer.	3128 138 22661
	5461	Ferrite Bead, 100MHz	3198 018 90020
	5463	Ferrite Bead, 100MHz	3198 018 90020
	5465	Ferrite Bead, 100MHz	3198 018 90020
	5466	Coil, 33u.	3198 018 73390
	5467	Ferrite Bead, 100MHz	3198 018 90020
	5468	Coil, 22u.	3198 018 72290
	5469	Coil, 18u.	3198 018 11890
	5494	Coil, 68u.	2422 535 94095
S	5503	Mains Filter	2422 549 44362
	5505	Ferrite Bead, 100MHz	3198 018 90020
S	5506	Supply Transformer	2422 531 98042
	5507	Ferrite Bead, 100MHz	3198 018 90020
	5508	Ferrite Bead, 100MHz	3198 018 90020
	5510	Ferrite Bead, 100MHz	3198 018 90020
	5620	Coil, 90n.	2422 535 95444
	6103	Diode, Rect, BYD33D	9337 234 00133
	6105	Zener Diode, 15 volt	3198 010 21590
	6106	Zener Diode, 24 volt	9331 669 60133
	6108	Diode, BAT85	9336 247 60133
	6110	Diode, BAT85	9336 247 60133
	6111	Diode, Rect, SB360L-7024.	9322 161 78682
	6120	Diode, 1N4148.	3198 010 10010
	6121	Diode, 1N4148.	3198 010 10010
	6122	Zener Diode, 3.9 volt.	3198 010 53980
	6124	Diode, BAT85	9336 247 60133
	6200	Zener Diode, 33 volt	3198 020 53390
	6204	Zener Diode, 6.8 volt.	3198 020 56880
	6205	Zener Diode, 6.8 volt.	3198 020 56880
	6206	Zener Diode, 6.8 volt.	3198 020 56880
	6207	Zener Diode, 6.8 volt.	3198 020 56880
	6405	Zener Diode, 33 volt	3198 020 53390
	6406	Diode, BAS316.	3198 010 10630
	6407	Diode, BAS316.	3198 010 10630
	6408	Diode, Rect, BYD33D	9337 234 00133
	6421	Diode, Rect, BY359X-1500.	9340 303 30127

S = Safety Part   Be sure to use exact replacement part.

27PT830H37C (continued)

	6422	Diode, Rect, BY229X-600	9340 380 20127
	6436	Diode, Rect, BYD33J	9337 234 20133
	6437	Diode, Rect, BYD33J	9337 234 20133
	6442	Zener Diode, 15 volt	3198 020 51590
	6451	Diode, BAS316	3198 010 10630
	6452	Diode, BAS316	3198 010 10630
	6453	Diode, BAS316	3198 010 10630
	6454	Zener Diode, 33 volt	9340 548 71115
	6456	Zener Diode, 33 volt	9340 548 71115
	6461	Diode, Rect, BYV29X-500	9340 555 59127
	6463	Diode, Rect, BYV29X-500	9340 555 59127
	6465	Diode, Rect, BYV29X-500	9340 555 59127
	6466	Diode, Rect, BYV29X-500	9340 555 59127
	6468	Diode, Rect, BYD33D	9337 234 00133
	6480	Diode, Rect, BYD33D	9337 234 00133
	6481	Zener Diode, 18 volt	3198 010 21890
	6482	Diode, BAS316	3198 010 10630
	6492	Diode, BAS316	3198 010 10630
	6493	Zener Diode, 47 volt	9340 389 00115
	6499	Zener Diode, 8.2 volt	3198 020 58280
	6505	Zener Diode, 15 volt	3198 010 21590
	6506	Diode, 1N4148	3198 010 10010
	6507	Diode, Rect, BYV28-200/24	9340 550 66112
	6508	Diode, Rect, BYV28-400/20	9340 549 39112
	6510	Zener Diode, 15 volt	3198 010 51590
	6511	Diode, BAS316	3198 010 10630
	6512	Diode, BAS316	3198 010 10630
	6513	Diode, Bridge Rect, REC GBU4K	3198 010 10640
	6514	Zener Diode, 200 volt	9336 018 20133
	6515	Zener Diode, 5.6 volt	9335 005 90133
	6516	Diode, BAS316	3198 010 10630
	6517	Diode, BAT85	9336 247 60133
	6518	Diode, BAS316	3198 010 10630
	6519	Diode, Rect, BYD33D	9337 234 00133
	6600	Diode, 1N4148	3198 010 10010
	6616	Diode, BAS316	3198 010 10630
	6619	Diode, Rect, BYD33D	9337 234 00133
	6620	Diode, Rect, BYV27-200	9322 126 72673
	6623	Diode, BAS316	3198 010 10630
	6636	Diode, BAS316	3198 010 10630
	6660	Diode, BAT85	9336 247 60133
	6665	Diode, BAS316	3198 010 10630
	6731	Diode, BAS316	3198 010 10630
	6732	Diode, BAS316	3198 010 10630
	6900	Diode, BAS316	3198 010 10630
	6901	Diode, 1PS76SB10	9340 453 90115
	6902	Diode, 1PS76SB10	9340 453 90115
	6903	Diode, 1PS76SB10	9340 453 90115
	6904	Diode, 1N4148	3198 010 10010
	7100	Transistor, PNP, BC557B(COL)	3198 020 40110
	7101	Transistor, NPN, BC547B(COL)	3198 020 40030
	7102	Power FET, STP3NB60FP	9322 129 71687
	7103	Optical Coupler, TCET1103G	9322 140 14667
S	7104	Optical Coupler, TCDT1102G	9319 002 76682
	7228	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
	7407	Transistor, NPN, BC847B(COL)	3198 010 42030
	7408	Transistor, NPN, BC368	9332 592 40126
	7409	Transistor, NPN, BC847B(COL)	3198 010 42030
	7421	Transistor, POW, BU2520DX	9340 210 30127
	7440	IC, LM358N	9339 848 90682
	7452	Transistor, NPN, BC847B(COL)	3198 010 42030
	7480	Power FET, STP3NB60FP	9322 129 71687
	7481	Transistor, PNP, BC557B(COL)	3198 020 40110
S	7482	Optical Coupler, TCDT1102G	9319 002 76682
	7501	Transistor, PNP, BC857B(COL)	3198 010 42150
	7502	Transistor, NPN, BF487	9337 626 60126
	7504	Power FET, STP5NB40FP	9322 136 37687
	7505	Transistor, PNP, BC857B(COL)	3198 010 42150
	7506	IC TL431ACZ-AP S (ST00) A	9322 086 97676
	7510	Transistor, NPN, BC847B(COL)	3198 010 42030
	7528	Transistor, NPN, BC337-25(COL)	3198 020 43530
	7529	Transistor, NPN, BC847B(COL)	3198 010 42030
	7600	Transistor, NPN, BC546B	9332 377 80126
	7602	Transistor, NPN, BC847B(COL)	3198 010 42030
	7603	Transistor, PNP, BC857B(COL)	3198 010 42150
	7605	Transistor, NPN, BC847B(COL)	3198 010 42030
	7606	Transistor, NPN, BC847B(COL)	3198 010 42030
S	7610	Optical Coupler, TCDT1102G	9319 002 76682
	7620	IC, TDA8177	9322 066 43687
	7640	Transistor, NPN, BC847B(COL)	3198 010 42030
	7641	Transistor, NPN, BC847B(COL)	3198 010 42030
	7652	Transistor, NPN, BC847B(COL)	3198 010 42030
	7653	Transistor, NPN, BC847B(COL)	3198 010 42030
	7654	Transistor, PNP, BC857B(COL)	3198 010 42150
	7655	Transistor, NPN, BC847B(COL)	3198 010 42030
	7702	Transistor, NPN, BC847B(COL)	3198 010 42030
	7720	Transistor, NPN, BC847B(COL)	3198 010 42030
	7721	Transistor, NPN, BC847B(COL)	3198 010 42030
	7722	Transistor, PNP, BC857B(COL)	3198 010 42150
	7723	Transistor, PNP, BC857B(COL)	3198 010 42150
	7724	Transistor, NPN, BC847B(COL)	3198 010 42030
	7725	Transistor, NPN, BC847B(COL)	3198 010 42030
	7730	Transistor, NPN, BC847B(COL)	3198 010 42030
	7731	Transistor, PNP, BC857B(COL)	3198 010 42150
	7732	Transistor, NPN, BC847B(COL)	3198 010 42030
	7750	IC, TDA2616	9350 403 20112
	7901	Transistor, NPN, BC547B(COL)	3198 020 40030
	7902	Transistor, NPN, BC337-25(COL)	3198 020 43530
	7905	Transistor, NPN, BC368	9332 592 40126
	7906	IC, L4940V85	9322 005 46687
	7907	Transistor, NPN, BC847B(COL)	3198 010 42030
	7908	Transistor, PNP, BC857B(COL)	3198 010 42150
	7909	Transistor, PNP, BC857B(COL)	3198 010 42150
	8203	Cable, 4 Pin, 340mm	3104 311 05481
	8204	Cable, 6 Pin, 220mm	3104 311 05471
	8317	Cable, 2 Pin, 340mm	3104 311 01431
	8324	Cable, 7 Pin, 560mm	3104 311 05411
	8340	Cable, 11 Pin 480mm	3104 311 05431
	8392	Cable, 3 Pin, 220mm	3104 311 04171
	8924	Cable, 5 Pin, 280mm	3104 311 02511
	8936	Cable, 11 Pin, 680mm	3104 311 05421
	8951	Cable, 5 Pin, 340mm	3104 311 03491
	9101	Wire Jumper	3198 036 90010
	9102	Wire Jumper	3198 036 90010
	9113	Wire Jumper	3198 036 90010
	9203	Wire Jumper	3198 036 90010
	9204	Wire Jumper	3198 036 90010
	9206	Wire Jumper	3198 036 90010
	9210	Wire Jumper	3198 036 90010
	9212	Wire Jumper	3198 036 90010
	9217	Wire Jumper	3198 036 90010
	9219	Wire Jumper	3198 036 90010
	9221	Wire Jumper	3198 036 90010
	9222	Wire Jumper	3198 036 90010
	9224	Wire Jumper	3198 036 90010
	9226	Wire Jumper	3198 036 90010
	9228	Wire Jumper	3198 036 90010
	9229	Wire Jumper	3198 036 90010
	9230	Wire Jumper	3198 036 90010
	9231	Wire Jumper	3198 036 90010
	9232	Wire Jumper	3198 036 90010
	9302	Wire Jumper	3198 036 90010
	9401	Wire Jumper	3198 036 90010
	9402	Wire Jumper	3198 036 90010
	9403	Wire Jumper	3198 036 90010
	9404	Wire Jumper	3198 036 90010
	9405	Wire Jumper	3198 036 90010
	9406	Wire Jumper	3198 036 90010
	9407	Wire Jumper	3198 036 90010
	9412	Wire Jumper	3198 036 90010
	9414	Wire Jumper	3198 036 90010
	9418	Wire Jumper	3198 036 90010
	9419	Wire Jumper	3198 036 90010
	9421	Wire Jumper	3198 036 90010
	9423	Wire Jumper	3198 036 90010
	9424	Wire Jumper	3198 036 90010
	9425	Wire Jumper	3198 036 90010
	9428	Wire Jumper	3198 036 90010
	9429	Wire Jumper	3198 036 90010
	9430	Wire Jumper	3198 036 90010
	9431	Wire Jumper	3198 036 90010
	9435	Wire Jumper	3198 036 90010
	9436	Wire Jumper	3198 036 90010
	9505	Wire Jumper	3198 036 90010
	9510	Wire Jumper	3198 036 90010
	9512	Wire Jumper	3198 036 90010
	9513	Wire Jumper	3198 036 90010
	9515	Wire Jumper	3198 036 90010
	9516	Wire Jumper	3198 036 90010
	9518	Wire Jumper	3198 036 90010
	9519	Wire Jumper	3198 036 90010
	9520	Wire Jumper	3198 036 90010
	9523	Wire Jumper	3198 036 90010
	9524	Wire Jumper	3198 036 90010
	9525	Wire Jumper	3198 036 90010
	9528	Wire Jumper	3198 036 90010
	9622	Wire Jumper	3198 036 90010
	9623	Wire Jumper	3198 036 90010
	9705	Wire Jumper	3198 036 90010
	9706	Wire Jumper	3198 036 90010
	9707	Wire Jumper	3198 036 90010
	9712	Wire Jumper	3198 036 90010
	9713	Wire Jumper	3198 036 90010
	9714	Wire Jumper	3198 036 90010
	9715	Wire Jumper	3198 036 90010
	9718	Wire Jumper	3198 036 90010
	9720	Wire Jumper	3198 036 90010
	9721	Wire Jumper	3198 036 90010
	9723	Wire Jumper	3198 036 90010
	9724	Wire Jumper	3198 036 90010
	9726	Wire Jumper	3198 036 90010
	9901	Wire Jumper	3198 036 90010
	9902	Wire Jumper	3198 036 90010
	9903	Wire Jumper	3198 036 90010

S = Safety Part   Be sure to use exact replacement part.

9904	Wire Jumper.	3198 036 90010
9906	Wire Jumper.	3198 036 90010
9907	Wire Jumper.	3198 036 90010
9908	Wire Jumper.	3198 036 90010
9909	Wire Jumper.	3198 036 90010
9910	Wire Jumper.	3198 036 90010
9911	Wire Jumper.	3198 036 90010
9912	Wire Jumper.	3198 036 90010
9914	Wire Jumper.	3198 036 90010
9916	Wire Jumper.	3198 036 90010
9917	Wire Jumper.	3198 036 90010
9920	Wire Jumper.	3198 036 90010
9921	Wire Jumper.	3198 036 90010
9922	Wire Jumper.	3198 036 90010
9925	Wire Jumper.	3198 036 90010
9926	Wire Jumper.	3198 036 90010
9927	Wire Jumper.	3198 036 90010
9928	Wire Jumper.	3198 036 90010
9931	Wire Jumper.	3198 036 90010
9932	Wire Jumper.	3198 036 90010
9933	Wire Jumper.	3198 036 90010
9934	Wire Jumper.	3198 036 90010
9936	Wire Jumper.	3198 036 90010
9943	Wire Jumper.	3198 036 90010
9944	Wire Jumper.	3198 036 90010
9945	Wire Jumper.	3198 036 90010
9946	Wire Jumper.	3198 036 90010
9947	Wire Jumper.	3198 036 90010
9948	Wire Jumper.	3198 036 90010
9950	Wire Jumper.	3198 036 90010
9951	Wire Jumper.	3198 036 90010
9952	Wire Jumper.	3198 036 90010
9957	Wire Jumper.	3198 036 90010
9958	Wire Jumper.	3198 036 90010
9960	Wire Jumper.	3198 036 90010
9963	Wire Jumper.	3198 036 90010
9964	Wire Jumper.	3198 036 90010
9965	Wire Jumper.	3198 036 90010
9966	Wire Jumper.	3198 036 90010
9967	Wire Jumper.	3198 036 90010
9968	Wire Jumper.	3198 036 90010
9969	Wire Jumper.	3198 036 90010
9970	Wire Jumper.	3198 036 90010
9971	Wire Jumper.	3198 036 90010
9972	Wire Jumper.	3198 036 90010
9975	Wire Jumper.	3198 036 90010
9976	Wire Jumper.	3198 036 90010
9980	Wire Jumper.	3198 036 90010
9983	Wire Jumper.	3198 036 90010
9984	Wire Jumper.	3198 036 90010
9987	Wire Jumper.	3198 036 90010
9988	Wire Jumper.	3198 036 90010
9990	Wire Jumper.	3198 036 90010
9991	Wire Jumper.	3198 036 90010
9992	Wire Jumper.	3198 036 90010
9993	Wire Jumper.	3198 036 90010
9996	Wire Jumper.	3198 036 90010
9997	Wire Jumper.	3198 036 90010
9998	Wire Jumper.	3198 036 90010

Small Signal Board

	Small Signal Board	
CBA	Small Signal Board	3104 328 23471
0302	2 Pin Board Connector.	2422 025 16542
0601	IC, ROM, SAA5677	3104 317 03902
1001	Crystal, 12MHz	2422 543 89018
S 1003	Fuse, F315MA, 32V.	2422 086 11013
1301	Crystal, 12MHz	2422 540 98456
1303	5 Pin Board Connector.	2422 025 16966
1304	7 Pin Board Connector.	2422 025 17104
1318	Crystal, 3.579545MHz	2422 543 00861
1407	Filter, 4.5MHz	2422 549 44043
1408	SAW Filter, 45.75MHz	2422 549 44377
1410	Filter, 4.5MHz	2422 549 44534
1651	Crystal, 18.432MHz	2422 543 89019
1680	6 Pin Board Connector.	2422 025 16961
1701	Crystal, 12MHz	2422 543 89018
2001	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390
2002	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390
2003	Cap, 2n2, 10%, 50v, Ceramic.	3198 017 32220
2004	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2006	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2007	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2008	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2009	Cap, 470p, 5%, 50v, Ceramic.	3198 016 34710
2010	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2011	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2012	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2013	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2014	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2015	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2016	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2017	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2020	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2300	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2302	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2303	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2304	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2305	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2306	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2307	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2308	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2313	Cap, 100n, 5%, 16v, Polypropylene. . .	2020 319 90005
2314	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2315	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2317	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2318	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2319	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2320	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2321	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2322	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2323	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2324	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2328	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2329	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2330	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2331	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2332	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2333	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2334	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2335	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2336	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2338	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2339	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
2340	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
2341	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2342	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2343	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 41040
2350	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2351	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2352	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2356	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2357	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2358	Cap, 3n3, 10%, 50v, Ceramic.	3198 017 33320
2361	Cap, 1p2, 21%, 50v, Ceramic.	3198 016 31280
2362	Cap, 12p, 5%, 50v, Ceramic	3198 016 31290
2363	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2365	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2366	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2367	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2368	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2369	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2370	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2371	Cap, 4n7, 10%, 50v, Ceramic.	3198 017 34720
2372	Cap, 1u, +80/-20%, 16v, Ceramic. . . .	3198 017 21050
2373	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2374	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2375	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2376	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2377	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2378	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2384	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2395	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2396	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2397	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2401	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2410	Cap, 470n, 10%, 16v, Ceramic	2222 780 15658
2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2412	Cap, 4n7, 10%, 50v, Ceramic.	3198 017 34720
2413	Cap, 47u, 20%, 16v, Electrolytic . . .	3198 030 44790
2418	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2420	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2422	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2429	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2501	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2502	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2503	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2504	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2505	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2506	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2507	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2508	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2510	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
2511	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
2512	Cap, 470n, +80/-20%, 10v, Ceramic. . .	3198 017 44740
2550	Cap, 330p, 10%, 50v, Ceramic	3198 017 33310
2552	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2553	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710

S = Safety Part   Be sure to use exact replacement part.

27PT830H37C (continued)

	Ref	Description	Part No.
	2554	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2555	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2562	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2563	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2564	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2565	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2566	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2567	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2568	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2569	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2570	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2571	Cap, 100p, 5%, 50v, Ceramic.	3198 016 31010
	2574	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2575	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2576	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2577	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2578	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2579	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2584	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2585	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2586	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2591	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
	2593	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2594	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2595	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2609	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2610	Cap, 2n2, 10%, 50v, Ceramic.	3198 017 32220
	2611	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2634	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2640	Cap, 220n, +80/-20%, 16v, Ceramic.	3198 017 42240
	2643	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
	2644	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2645	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
	2646	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
	2649	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
	2651	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2652	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
	2653	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
	2654	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2659	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2660	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2661	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
	2662	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
	2663	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2664	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2665	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
	2666	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
	2667	Cap, 3p3, 8%, 50v, Ceramic	3198 016 33380
	2668	Cap, 3p3, 8%, 50v, Ceramic	3198 016 33380
	2670	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2673	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2674	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2677	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
	2678	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
	2679	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2680	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
	2681	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2682	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
	2686	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2687	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2693	Cap, 220p, 5%, 50v, Ceramic.	3198 016 32210
	2694	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2695	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
	2702	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
	2704	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
	2706	Cap, 100u, 20%, 16v, Electrolytic.	2020 021 91555
	2708	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
	2709	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2710	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
	2712	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
	2713	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2728	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2729	Cap, 56p, 5%, 50v, Ceramic	3198 016 35690
	2730	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
	2731	Cap, 100p, 5%, 50v, Ceramic.	3198 016 31010
	2733	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
	2738	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
	2743	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
	2747	Cap, 18p, 5%, 50v, Ceramic	3198 016 31890
	2748	Cap, 18p, 5%, 50v, Ceramic	3198 016 31890
	2755	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2756	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2758	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2759	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2760	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2761	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2762	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2763	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2764	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2765	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2766	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2767	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2770	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2771	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2772	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2773	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2774	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2776	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2785	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2786	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2788	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2790	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2792	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2795	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2796	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2798	Cap, 680p, 5%, 25v, Ceramic.	3198 016 36810
	2799	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
	2908	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2909	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2910	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2911	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2912	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	3001	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
	3002	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
	3003	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
	3004	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
	3005	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
	3006	Res, 1K, 5%, 1/16W, Metalized Glass.	3198 021 31020
	3007	Res, 1K5, 5%, 1/16W, Metalized Glass	3198 021 31520
	3008	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
	3009	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
	3010	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
	3011	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
	3012	Res, 2K2, 5%, 1/16W, Metalized Glass	3198 021 32220
	3013	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
	3014	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
	3015	Res, 470K, 5%, 1/16W, Metalized Glass.	3198 021 34740
	3016	Res, 1K, 5%, 1/16W, Metalized Glass.	3198 021 31020
	3017	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
	3018	Res, 24K, 1%, 1/16W, Metalized Glass	2322 704 62403
	3019	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3021	Res, 22K, 5%, 1/16W, Metalized Glass	3198 021 32230
	3026	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3027	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3028	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3029	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3030	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
	3031	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
	3032	Res, 2K2, 5%, 1/16W, Metalized Glass	3198 021 32220
	3033	Res, 2K2, 5%, 1/16W, Metalized Glass	3198 021 32220
	3034	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3035	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3039	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3040	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3041	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3042	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
	3043	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3044	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3045	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3048	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3049	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3050	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3051	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3052	Res, 6K8, 5%, 1/16W, Metalized Glass	3198 021 36820
	3053	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
	3056	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
	3057	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
	3058	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3059	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
	3060	Res, 2K7, 5%, 1/16W, Metalized Glass	3198 021 32720
	3061	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
	3062	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3063	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3064	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3065	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
S	3070	Res, 1R5, 5%, 1/8W, Metalized Glass.	2322 750 61508
S	3071	Res, 1R5, 5%, 1/8W, Metalized Glass.	2322 750 61508
	3074	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
S	3300	Res, 3R9, 5%, 1/8W, Metalized Glass.	2322 750 63908
	3301	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3302	Res, 1K8, 5%, 1/16W, Metalized Glass	3198 021 31820
S	3304	Res, 3R9, 5%, 1/8W, Metalized Glass.	2322 750 63908
	3305	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3306	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3307	Res, 18K, 5%, 1/16W, Metalized Glass	3198 021 31830
	3308	Res, 680K, 5%, 1/16W, Metalized Glass.	3198 021 36840
	3310	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
	3311	Res, 33K, 5%, 1/16W, Metalized Glass	3198 021 33330
	3312	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
	3313	Res, 1K, 5%, 1/16W, Metalized Glass.	3198 021 31020
	3314	Res, 22K, 5%, 1/16W, Metalized Glass	3198 021 32230
	3315	Res, 1K, 5%, 1/16W, Metalized Glass.	3198 021 31020
	3316	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3317	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210

S = Safety Part   Be sure to use exact replacement part.

27PT830H37C (continued)

	Ref	Description	Part No.
	3318	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3319	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3320	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3321	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3322	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3324	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3327	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3328	Res, 39K, 5%, 1/16W, Metalized Glass .	3198 021 33930
S	3329	Res, 6R8, 5%, 1/8W, Metalized Glass. .	2322 750 66808
	3330	Res, 3K3, 5%, 1/16W, Metalized Glass .	3198 021 33320
	3331	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3332	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3333	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3335	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3336	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3337	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3338	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3340	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3341	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3342	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3343	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3344	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3345	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3346	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3347	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3348	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3350	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3351	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3352	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3353	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3354	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3355	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3358	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3359	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3360	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3362	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3363	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3364	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3365	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3366	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3367	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3370	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3371	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
	3372	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3373	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3374	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3375	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3376	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3377	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3378	Res, 15K, 5%, 1/16W, Metalized Glass .	3198 021 31530
	3382	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3384	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3385	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3386	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3387	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3388	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3389	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3390	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3391	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3393	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3394	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3395	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3396	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3397	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3398	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S	3400	Res, 4R7, 5%, 1/8W, Metalized Glass. .	2322 750 64708
	3401	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3402	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3403	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3405	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3415	Res, 8K2, 5%, 1/16W, Metalized Glass .	3198 021 38220
S	3416	Res, 6R8, 5%, 1/8W, Metalized Glass. .	2322 750 66808
	3418	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3419	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
	3420	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3436	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3437	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3441	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3446	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3456	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3457	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3458	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3459	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3460	Res, 3K3, 5%, 1/16W, Metalized Glass .	3198 021 33320
	3461	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3462	Res, 1K2, 5%, 1/16W, Metalized Glass .	3198 021 31220
	3463	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3465	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3467	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3469	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3470	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3519	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3521	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3522	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3523	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3524	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3525	Res, 680K, 5%, 1/16W, Metalized Glass.	3198 021 36840
	3526	Res, 1M, 5%, 1/16W, Metalized Glass. .	3198 021 31050
	3527	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3529	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3530	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3531	Res, 8K2, 5%, 1/16W, Metalized Glass .	3198 021 38220
	3532	Res, 27K, 5%, 1/16W, Metalized Glass .	3198 021 32730
	3546	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3550	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3558	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3559	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3560	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3561	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3562	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3563	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3564	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3565	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3566	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3567	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3570	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3571	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3572	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3574	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3576	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
	3636	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3637	Res, 56K, 5%, 1/16W, Metalized Glass .	3198 021 35630
	3642	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3643	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S	3644	Res, 4R7, 5%, 1/8W, Metalized Glass. .	2322 750 64708
	3651	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3652	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3653	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3654	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3655	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3656	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3657	Res, 82K, 5%, 1/16W, Metalized Glass .	3198 021 38230
	3658	Res, 150K, 5%, 1/16W, Metalized Glass.	3198 021 31540
	3666	Res, 150K, 5%, 1/16W, Metalized Glass.	3198 021 31540
	3667	Res, 56K, 5%, 1/16W, Metalized Glass .	3198 021 35630
	3668	Res, 82K, 5%, 1/16W, Metalized Glass .	3198 021 38230
	3669	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3670	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3671	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3684	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3685	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3686	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3687	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3688	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3689	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3690	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3691	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3692	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3693	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3694	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3695	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3698	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3702	Res, 22 ohm, 5%, 1/16W, Metalized Glass	3198 021 32290
	3703	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3705	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3706	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3707	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3708	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
	3709	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3710	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3711	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3714	Res, 22 ohm, 5%, 1/16W, Metalized Glass	3198 021 32290
	3716	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3717	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3718	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3725	Res, 1M, 5%, 1/16W, Metalized Glass. .	3198 021 31050
	3728	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3731	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3732	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3733	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3739	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3740	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3741	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3744	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3745	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3746	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3747	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
	3748	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
	3749	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
	3754	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3755	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3757	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3759	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3790	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010

S = Safety Part   Be sure to use exact replacement part.

27PT830H37C (continued)

3791	Resistor Network, 4 X 100 ohm, 5%	3198 031 11010
3792	Resistor Network, 4 X 100 ohm, 5%	3198 031 11010
3793	Resistor Network, 4 X 100 ohm, 5%	3198 031 11010
3794	Resistor Network, 4 X 100 ohm, 5%	3198 031 11010
3795	Resistor Network, 4 X 100 ohm, 5%	3198 031 11010
3796	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3797	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3900	Inductor, 100MHz, 600 ohm	3198 018 90040
3901	Inductor, 100MHz, 600 ohm	3198 018 90040
3902	Inductor, 100MHz, 600 ohm	3198 018 90040
3903	Inductor, 100MHz, 600 ohm	3198 018 90040
3904	Inductor, 100MHz, 600 ohm	3198 018 90040
3905	Inductor, 100MHz, 600 ohm	3198 018 90040
3906	Inductor, 100MHz, 600 ohm	3198 018 90040
3907	Inductor, 100MHz, 600 ohm	3198 018 90040
3908	Inductor, 100MHz, 600 ohm	3198 018 90040
3909	Inductor, 100MHz, 600 ohm	3198 018 90040
3910	Inductor, 100MHz, 600 ohm	3198 018 90040
3911	Inductor, 100MHz, 600 ohm	3198 018 90040
4302	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4303	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4304	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4322	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4326	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4369	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4401	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4406	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4407	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4409	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4520	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4522	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4603	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4604	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4607	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4608	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4609	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4610	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4611	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4613	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4632	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4633	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4642	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4645	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4652	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4682	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4683	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4684	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4685	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4686	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4687	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4688	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4689	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4712	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4713	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4714	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4715	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4716	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4717	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4723	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4724	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4726	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4732	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4734	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4792	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4793	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4901	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4902	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4903	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4904	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4905	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4906	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4907	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4908	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4909	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4919	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4920	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4921	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4925	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4927	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4928	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4929	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4935	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4937	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4938	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4939	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4944	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4945	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4946	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4947	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4948	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4949	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4950	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4951	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4952	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4953	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4954	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5301	Coil, 6u8	3198 018 36880
5302	Coil, 6u8	3198 018 36880
5303	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5304	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5305	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5306	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5307	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5308	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5309	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5401	Coil, 390n	3198 018 33970
5406	Coil, 15u	3198 018 31590
5407	Ferrite Bead, 100MHz	2422 535 95427
5408	Variable Coil	2422 549 44875
5409	Ferrite Bead, 100MHz	2422 535 95427
5410	Coil, 1u	3198 018 51080
5412	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5413	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5414	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5651	Ferrite Bead, 100MHz	2422 549 43769
5652	Ferrite Bead, 100MHz	2422 549 43769
5653	Ferrite Bead, 100MHz	2422 549 43769
5654	Inductor, 100MHz, 30 ohm	3198 018 90060
5656	Coil, 6u8	3198 018 36880
5663	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5664	Inductor, 100MHz, 30 ohm	3198 018 90060
5665	Inductor, 100MHz, 30 ohm	3198 018 90060
5701	Inductor, 100MHz, 600 ohm	3198 018 90080
5702	Ferrite Bead, 100MHz	2422 535 95427
5703	Inductor, 100MHz, 30 ohm	3198 018 90060
5705	Ferrite Bead, 100MHz	2422 535 95427
5706	Coil, 5u6	3198 018 35680
5707	Inductor, 100MHz, 600 ohm	3198 018 90040
5711	Inductor, 100MHz, 600 ohm	3198 018 90040
5713	Inductor, 100MHz, 600 ohm	3198 018 90040
5718	Coil, 330n	3198 018 33370
5720	Inductor, 100MHz, 600 ohm	3198 018 90040
5798	Inductor, 100MHz, 30 ohm	3198 018 90060
5799	Inductor, 100MHz, 30 ohm	3198 018 90060
5900	Inductor, 100MHz, 30 ohm	3198 018 90060
5901	Inductor, 100MHz, 30 ohm	3198 018 90060
5902	Inductor, 100MHz, 30 ohm	3198 018 90060
5903	Inductor, 100MHz, 30 ohm	3198 018 90060
5904	Inductor, 100MHz, 30 ohm	3198 018 90060
6003	Diode, BAS316	3198 010 10630
6303	Zener Diode, 47 volt	9322 150 18685
6304	Diode, MCL4148	9322 128 15685
6306	Zener Diode, 5.6 volt	3198 020 55680
6307	Diode, 1PS76SB10	9340 453 90115
6309	Diode, MCL4148	9322 128 15685
6310	Zener Diode, 6.8 volt	3198 020 56880
6311	Zener Diode, 22 volt	3198 020 52290
6312	Diode, MCL4148	9322 128 15685
6313	Zener Diode, 22 volt	3198 020 52290
6314	Diode, MCL4148	9322 128 15685
6315	Diode, MCL4148	9322 128 15685
6316	Diode, MCL4148	9322 128 15685
6317	Diode, MCL4148	9322 128 15685
6319	Diode, MCL4148	9322 128 15685
6652	Zener Diode, 10 volt	3198 020 51090
6654	Diode, BAS316	3198 010 10630
6657	Zener Diode, 2.7 volt	9340 548 43115
6658	Diode, BAS316	3198 010 10630
7001	IC, SAA5677/HL/M1	9352 692 99557
7002	Transistor, PNP, BC857B(COL)	3198 010 42150
7003	Transistor, NPN, BC847BW(COL)	3198 010 42310
7004	Transistor, NPN, BC847BW(COL)	3198 010 42310
7005	IC, LD1117D33	9322 116 74668
7006	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7007	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7009	IC, LD1117D33	9322 116 74668
7012	IC, M24C32	9322 124 74668
7013	Transistor, NPN, PDTC144EU	3198 010 44330
7301	IC, TDA9330H/N2/S2	9352 685 88518
7303	Transistor, NPN, BC857BW(COL)	3198 010 42320
7304	Transistor, NPN, PDTC144EU	3198 010 44330
7305	Transistor, NPN, BC847BW(COL)	3198 010 42310
7306	Transistor, NPN, BC847BW(COL)	3198 010 42310
7308	Transistor, NPN, PDTC144EU	3198 010 44330
7309	Transistor, NPN, PDTC144EU	3198 010 44330
7310	Transistor, NPN, PDTC144EU	3198 010 44330
7311	Transistor, NPN, BC847BW(COL)	3198 010 42310
7312	Transistor, NPN, BC847BW(COL)	3198 010 42310
7313	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7314	Transistor, NPN, BC847BW(COL)	3198 010 42310
7315	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7318	Transistor, NPN, BC857BW(COL)	3198 010 42320
7320	Transistor, NPN, BC847BW(COL)	3198 010 42310
7322	Transistor, NPN, BC847BW(COL)	3198 010 42310

S = Safety Part   Be sure to use exact replacement part.

	Ref	Description	Part No.
	7323	IC, TDA9321H/N2	9352 625 24518
	7324	Transistor, NPN, BC847CW	9340 217 80115
	7375	Transistor, NPN, BC847BW(COL)	3198 010 42310
	7410	Transistor, NPN, BC847BW(COL)	3198 010 42310
	7411	Transistor, NPN, BC847B(COL)	3198 010 42030
	7413	Transistor, NPN, BFS20	9330 921 11215
	7651	IC, MSP3451G-FH-B8-V3	9322 183 41702
	7664	Transistor, NPN, BC847BPN	9340 425 30115
	7665	Transistor, NPN, BC847BPN	9340 425 30115
	7668	Transistor, NPN, BC857BW(COL)	3198 010 42320
	7675	Transistor, NPN, BC847BS	9340 425 20115
	7678	Transistor, NPN, BC847BS	9340 425 20115
	7701	Transistor, NPN, BC857BW(COL)	3198 010 42320
	7702	Transistor, NPN, BC847BW(COL)	3198 010 42310
	7704	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
	7708	IC, SAA4990H	9352 067 50557
	7709	IC, SAA4978H/V204	9352 688 09557
	7714	IC, MSM54V12222B-25JS	9322 183 81668
	7715	IC, MSM54V12222B-25JS	9322 183 81668
	7716	32 Pin IC Socket	2422 486 80938
	7716	IC, M87C257-90C1	9322 130 45668
	7717	IC, ROM, M87C257	3104 317 03241
	7799	Software Package, FBX PICNIC	3104 317 43241
	8302	Cable, 2 Pin, 180mm	3104 311 03031
	8303	Cable, 5 Pin, 400mm	3104 311 05381
	8304	Cable, 7 Pin, 280mm	3104 311 03241
	8680	Cable, 6 Pin, 340mm	3104 311 03231

3D Comb Filter

	Ref	Description	Part No.
		3D Comb Filter	
	CBA	3D Comb Filter	3135 037 10301
	1001	Crystal, 20MHz	2422 543 01273
	1104	5 Pin Board Connector	2422 025 15848
	1303	6 Pin Board Connector	2422 025 10428
	1951	5 Pin Board Connector	2422 025 15848
	2000	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
	2001	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2002	Cap, 47u, 20%, 20v, Electrolytic	3198 032 58170
	2003	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
	2004	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
	2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2006	Cap, 47u, 20%, 20v, Electrolytic	3198 032 58170
	2008	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
	2009	Cap, 1u, 20%, 50v, Electrolytic	3198 030 81080
	2010	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2011	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2012	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2013	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
	2014	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2015	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
	2016	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
	2017	Cap, 150p, 5%, 50v, Ceramic	3198 016 31510
	2018	Cap, 150p, 5%, 50v, Ceramic	3198 016 31510
	2019	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2020	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2021	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2022	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
	2023	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
	2024	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2026	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2029	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2032	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2033	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2034	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2035	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
	2036	Cap, 1u, 20%, 50v, Electrolytic	3198 030 81080
	2037	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2041	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2042	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2043	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
	2044	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2045	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2046	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
	2047	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2048	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2049	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
	2051	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
	2052	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2053	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
	2054	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
	2055	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
	2056	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
	2057	Cap, 150p, 5%, 50v, Ceramic	3198 016 31510
	2059	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
	2061	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
	2062	Cap, 150p, 5%, 50v, Ceramic	3198 016 31510
	2063	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
	2064	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2065	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2066	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2067	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
	2068	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
	2069	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
	2070	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
	3000	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3001	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
	3002	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
	3003	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
	3004	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
	3005	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
	3006	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
	3007	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
	3008	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
	3009	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
	3010	Res, 5K6, 5%, 1/16W, Metalized Glass	3198 021 35620
	3011	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
	3012	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3013	Res, 2K7, 5%, 1/16W, Metalized Glass	3198 021 32720
	3014	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3015	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3016	Res, 33 ohm, 5%, 1/16W, Metalized Glass	3198 021 33390
	3017	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3018	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3019	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
	3020	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
	3021	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
	3022	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
	3023	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
	3024	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
	3025	Res, 5K6, 5%, 1/16W, Metalized Glass	3198 021 35620
	3026	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
	3027	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3028	Res, 2K7, 5%, 1/16W, Metalized Glass	3198 021 32720
	3029	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3030	Res, 820 ohm, 5%, 1/16W, Metalized Glas	3198 021 38210
	3031	Res, 12K, 5%, 1/16W, Metalized Glass	3198 021 31230
	3032	Res, 12K, 5%, 1/16W, Metalized Glass	3198 021 31230
	3033	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
	3034	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
	3035	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
	3036	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3037	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3038	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3039	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3040	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3041	Res, 820 ohm, 5%, 1/16W, Metalized Glas	3198 021 38210
	3042	Res, 3K3, 1%, 1/16W, Metalized Glass	2322 704 73302
	3043	Res, 1K5, 5%, 1/16W, Metalized Glass	3198 021 31520
	3044	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3055	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3056	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
	3057	Res, 2K2, 5%, 1/16W, Metalized Glass	3198 021 32220
	3058	Res, 220K, 5%, 1/16W, Metalized Glass	3198 021 32240
	3059	Res, 27K, 5%, 1/16W, Metalized Glass	3198 021 32730
	3060	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3061	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
	3065	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
	3067	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
	3068	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
	3069	Res, 100K, 5%, 1/16W, Metalized Glass	3198 021 31040
	3071	Res, 1K5, 5%, 1/16W, Metalized Glass	3198 021 31520
	3072	Res, 2K7, 5%, 1/16W, Metalized Glass	3198 021 32720
	3073	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
	3074	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
	3076	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
	3077	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3082	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
	3083	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
	3085	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3088	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
	3089	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
	3091	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3095	Res, 100K, 5%, 1/16W, Metalized Glass	3198 021 31040
	3096	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
	3097	Res, 1K8, 5%, 1/16W, Metalized Glass	3198 021 31820
	3098	Res, 5K6, 5%, 1/16W, Metalized Glass	3198 021 35620
	3099	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3100	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
	3101	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
	3102	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S	3103	Res, PTC, Overload Protection	2122 662 00139
S	3104	Res, PTC, Overload Protection	2122 662 00139
	3105	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
	5000	Coil, 100MHz, 120 ohm	3198 018 90070
	5001	Coil, 100MHz, 120 ohm	3198 018 90070
	5003	Filter, 14.3MHz	2422 549 44784
	5004	Filter, 14.3MHz	2422 549 44784
	5005	Coil, 10u	3198 018 41090
	5006	Filter, 14.3MHz	2422 549 44785
	5007	Coil, 10u	3198 018 41090

S = Safety Part   Be sure to use exact replacement part.

27PT830H37C (continued)

5008	Coil, 22u.	3198 018 72290
5009	Coil, 22u.	3198 018 72290
5010	Coil, 15u.	2422 535 94758
5011	Coil, 100MHz, 120 ohm.	3198 018 90070
5012	Coil, 100MHz, 120 ohm.	3198 018 90070
5013	Coil, 100MHz, 120 ohm.	3198 018 90070
5014	Inductor, 100MHz, 30 ohm	3198 018 90060
5015	Inductor, 100MHz, 30 ohm	3198 018 90060
5017	Coil, 100MHz, 120 ohm.	3198 018 90070
5019	Coil, 10u.	3198 018 41090
5020	Coil, 10u.	3198 018 41090
5021	Coil, 100MHz, 120 ohm.	3198 018 90070
5022	Coil, 100MHz, 120 ohm.	3198 018 90070
5024	Coil, 100MHz, 120 ohm.	3198 018 90070
5025	Coil, 100MHz, 120 ohm.	3198 018 90070
5027	Coil, 100MHz, 120 ohm.	3198 018 90070
5028	Coil, 100MHz, 120 ohm.	3198 018 90070
5029	Coil, 100MHz, 120 ohm.	3198 018 90070
5030	Coil, 100MHz, 120 ohm.	3198 018 90070
6000	Diode, BAV99	3198 010 10620
6001	Diode, BAV99	3198 010 10620
6002	Diode, BAV99	3198 010 10620
6003	LED, TLMH3100.	9322 072 71685
6004	Diode, Rect, SM S1D	9322 128 69685
6005	Diode, Rect, SM S1D	9322 128 69685
6006	Diode, 1PS76SB10	9340 453 90115
6007	Diode, BAS17	9335 262 30215
7000	Transistor, NPN, BC847B.	9335 895 90215
7001	Transistor, PNP, BC857B.	9335 897 60215
7002	Transistor, NPN, BF570	9338 144 20215
7003	Transistor, PNP, BC857B.	9335 897 60215
7004	Transistor, NPN, BC847B.	9335 895 90215
7005	Transistor, PNP, BC857B.	9335 897 60215
7006	Transistor, NPN, BF570	9338 144 20215
7007	Transistor, PNP, BC857B.	9335 897 60215
7008	Transistor, NPN, BC847B.	9335 895 90215
7009	Transistor, PNP, BC857B.	9335 897 60215
7010	Transistor, NPN, BC847B.	9335 895 90215
7011	Transistor, NPN, BC847B.	9335 895 90215
7012	Transistor, PNP, BF550	9334 509 00215
7015	Transistor, NPN, BC847B.	9335 895 90215
7016	Transistor, PNP, BC857B.	9335 897 60215
7017	Transistor, NPN, BC847B.	9335 895 90215
7019	IC, LM809M3X	9322 163 48668
7020	Transistor, NPN, BC847B.	9335 895 90215
7021	IC, LD1117DT33	9322 134 45668
7022	IC, LD1117DT25	9322 160 50668
7023	IC, UPD64083GF	9322 170 65671

Side A/V Panel

Side A/V Panel

CBA	Side A/V Panel	3139 137 26291
0240	11 Pin Board Connector	2422 025 12485
1254	Headphone Jack	2422 026 04747
1255	3 Pin Cinch Jack	2422 026 04815
1256	SVHS Jack.	2422 026 04926
2286	Cap, 150p, 10%, 50v, Ceramic	3198 019 11510
2288	Cap, 150p, 10%, 50v, Ceramic	3198 019 11510
2292	Cap, 470p, 10%, 50v, Ceramic	3198 019 14710
2294	Cap, 470p, 10%, 50v, Ceramic	3198 019 14710
2296	Cap, 4n7, +80/-20%, 50v, Ceramic	3198 019 24720
2297	Cap, 4n7, +80/-20%, 50v, Ceramic	3198 019 24720
3285	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
3286	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 011 01090
3287	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
3288	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 011 01090
3289	Res, 1K8, 5%, 1/6W, Carbon Film.	3198 011 01820
3291	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3292	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
3293	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3294	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
3295	Res, 3K9, 5%, 1/6W, Carbon Film.	3198 011 03920
3296	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
3297	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
4241	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4243	Res, Zero ohm, "Chip" Jumper	3198 021 90020
6291	Zener Diode, 12 volt	3198 020 51290
6292	Zener Diode, 12 volt	3198 020 51290
6293	Zener Diode, 12 volt	3198 020 51290
6294	Zener Diode, 12 volt	3198 020 51290
6296	Zener Diode, 12 volt	3198 020 51290
6297	Zener Diode, 12 volt	3198 020 51290
9231	Wire Jumper.	3198 036 90010
9232	Wire Jumper.	3198 036 90010

Top Control Panel

Top Control Panel

CBA	Top Control Panel.	3139 178 60461
0215	3 Pin Board Connector.	2422 025 09191
1091	Switch	2422 128 02742
1092	Switch	2422 128 02742
1093	Switch	2422 128 02742
1094	Switch	2422 128 02742
3088	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3089	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3091	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3092	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
3093	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3094	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
3095	Res, 3K3, 5%, 1/16W, Metalized Glass	3198 021 33320
3096	Res, 1K5, 5%, 1/16W, Metalized Glass	3198 021 31520
4092	Res, Zero ohm, "Chip" Jumper	3198 021 90030
6092	Diode, BAT254.	9340 393 00115

Top Control Panel

Top Control Panel

DC Shift Panel

DC Shift Panel

CBA	DC Shift Panel	3104 328 12141
0317	2 Pin Board Connector.	4822 265 20723
0318	2 Pin Board Connector.	4822 265 20723
S 1430	Fuse, 400MA, 65V	2422 086 10581
2430	Cap, 470p, 10%, 500V, Ceramic.	4822 122 31177
2431	Cap, 470p, 10%, 500V, Ceramic.	4822 122 31177
5430	DC Shift Coil.	3128 138 38911
6432	Diode, Rect, BYD33V.	9340 317 00133
6433	Diode, Rect, BYD33V.	9340 317 00133

DAF Panel

DAF Panel

CBA	DAF Panel.	3104 328 21212
1417	2 Pin Board Connector.	2422 025 16269
1418	2 Pin Board Connector.	2422 025 16374
1419	2 Pin Board Connector.	2422 025 16269
1492	3 Pin Board Connector.	2422 025 16382
1497	Contact Pin.	2422 015 18552
1693	Contact Pin.	2422 034 20021
2800	Cap, 330p, 5%, 2000v, Polypropylene.	2222 375 90495
2809	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
2812	Cap, 10n, 5%, 2000v, Polypropylene	2222 375 90175
2813	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
2814	Cap, 1n, 5%, 2000v, Polypropylene.	2222 375 90225
2818	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
2820	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
2821	Cap, 68n, 5%, 400v, Metalized Polypropylene	2222 479 90166
2822	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
2823	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
2824	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
2825	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
2890	Cap, 270p, 5%, 2000v, Polypropylene.	2222 375 90493
2892	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
S 3807	Res, 15 ohm, 5%, 1/3W, Metal Film.	2306 204 03159
S 3808	Res, 15 ohm, 5%, 1/3W, Metal Film.	2306 204 03159
S 3809	Res, 10 ohm, 5%, 1/3W, Metal Film.	2306 204 03109
3810	Res, 470K, 5%, 1/2W, Metalized Glass	2322 242 13474
3811	Res, 4M7, 5%, 1/4W, Metalized Glass.	2322 241 53475
3812	Res, 27K, 5%, 1/6W, Carbon Film.	3198 011 02730
3813	Res, 470K, 5%, 1/6W, Carbon Film	3198 011 04740
3814	Res, 100K, 5%, 1/4W, Metalized Glass	2322 241 53104
3815	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3816	Res, 4K7, 5%, 1/6W, Carbon Film.	3198 011 04720
3818	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3819	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3820	Res, 3K3, 5%, 1/10W, Metalized Glass	3198 021 53320
3821	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
3822	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
3823	Res, 1K8, 5%, 1/10W, Metalized Glass	3198 021 51820
3824	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
3826	Res, 12K, 5%, 1/10W, Metalized Glass	3198 021 51230
3827	Res, 5K6, 5%, 1/10W, Metalized Glass	3198 021 55620
3830	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
3831	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
3832	Res, 1K8, 5%, 1/10W, Metalized Glass	3198 021 51820
3833	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
S 3898	VDR, 1100V	2322 592 14217
S 3899	VDR, 1100V	2322 592 14217
3998	Res, 120 ohm, 5%, 1/6W, Carbon Film.	3198 011 01210
S 5800	Transformer, DAF, S21975-03.	2422 531 02437
5801	Transformer, Self Correction	3128 138 38881
5810	Bridge Coil.	3128 138 40042
6810	Diode, Rect, BYD33V	9340 317 00133
6812	Zener Diode, 22 volt	3198 010 22290
7810	Power FET, STP3NB80FP.	9322 136 03687
7818	Transistor, NPN, BC847B(COL)	3198 010 42030
7820	Transistor, NPN, BC847B(COL)	3198 010 42030
7821	Transistor, PNP, BC857B(COL)	3198 010 42150
7822	Transistor, NPN, BC847B(COL)	3198 010 42030
7823	Transistor, PNP, BC857B(COL)	3198 010 42150
9805	Wire Jumper.	3198 036 90010

Mains/Front Interface Panel

Mains/Front Interface Panel

27PT830H37C (continued)

	Ref	Description	Part No.
	CBA	Mains/Front Interface Panel.	3139 178 65661
	0214	5 Pin Board Connector.	2422 025 06353
	1000	Switch	2422 128 02742
	1002	IR Receiver, TSOP1836UH.	9322 127 54667
S	1008	LED.	9322 050 99682
	2001	Cap, 100u, 20%, 25v, Electrolytic. . .	3198 025 31010
	2002	Cap, 10n, +80/-20%, 50v, Ceramic . . .	3198 019 21030
	3001	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3003	Res, 1K8, 5%, 1/6W, Carbon Film. . . .	3198 011 01820
	3004	Res, 220 ohm, 5%, 1/6W, Carbon Film. .	3198 011 02210

2 Tuner PIP Panel

2 Tuner PIP Panel

High Definition Jack Panel

High Definition Jack Panel

	Ref	Description	Part No.
	CBA	High Definition Jack Panel	3121 238 00161
	1104	5 Pin Board Connector.	2422 025 06353
	1304	7 Pin Board Connector.	2422 025 10776
	1680	6 Pin Board Connector.	2422 025 10183
	1990	15 Pin Board Connector	2422 025 16257
	1991	2 Pin Cinch Jack	2422 026 04758
	1993	3 Pin Cinch Jack	2422 026 05079
	2101	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2102	Cap, 470n, +80/-20%, 16v, Ceramic. . .	3198 017 24740
	2103	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2104	Cap, 470n, +80/-20%, 16v, Ceramic. . .	3198 017 24740
	2105	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2107	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2109	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2111	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2113	Cap, 220n, +80/-20%, 25v, Ceramic. . .	3198 023 22240
	2115	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2117	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2119	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2121	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2125	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2127	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2130	Cap, 220n, +80/-20%, 25v, Ceramic. . .	3198 023 22240
	2131	Cap, 100p, 5%, 50v, Ceramic.	3198 016 01010
	2132	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2133	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2134	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
	2135	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
	2400	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2403	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2404	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2405	Cap, 22u, 20%, 16v, Electrolytic . . .	3198 028 22290
	2406	Cap, 22u, 20%, 16v, Electrolytic . . .	3198 028 22290
	2407	Cap, 22u, 20%, 16v, Electrolytic . . .	3198 028 22290
	2408	Cap, 100u, 20%, 10v, Electrolytic. . .	3198 028 11010
	2700	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 21040
	2701	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 21040
	2702	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 21040
	2703	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 21040
	2704	Cap, 220p, 5%, 50v, Ceramic.	3198 016 02210
	2705	Cap, 220p, 5%, 50v, Ceramic.	3198 016 02210
	2706	Cap, 470p, 5%, 50v, Ceramic.	3198 016 04710
	2707	Cap, 22n, 10%, 50v, Ceramic.	3198 017 02230
	2713	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 21040
	2714	Cap, 220p, 5%, 50v, Ceramic.	3198 016 02210
	2715	Cap, 220p, 5%, 50v, Ceramic.	3198 016 02210
	2900	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
	2901	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
	2904	Cap, 100p, 5%, 50v, Ceramic.	3198 016 01010
	2905	Cap, 100p, 5%, 50v, Ceramic.	3198 016 01010
	2914	Cap, 22u, 20%, 16v, Electrolytic . . .	3198 028 22290
	2928	Cap, 22u, 20%, 16v, Electrolytic . . .	3198 028 22290
	3100	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3101	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3102	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3103	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3104	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3105	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3106	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3107	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3108	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3109	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3110	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3111	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3112	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3124	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3125	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3126	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3127	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3129	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3130	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3131	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3132	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3133	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3140	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3141	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3142	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3143	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3144	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3145	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3150	Res, 22 ohm, 5%, 1/10W, Metalized Glass	3198 021 52290
	3151	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3401	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
	3402	Res, 1K3, 1%, 1/8W, Metalized Glass. .	2322 734 61302
	3403	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
	3404	Res, 1K3, 1%, 1/8W, Metalized Glass. .	2322 734 61302
	3405	Res, 1K8, 5%, 1/10W, Metalized Glass .	3198 021 51820
	3406	Res, 1K3, 1%, 1/8W, Metalized Glass. .	2322 734 61302
	3407	Res, 1K3, 1%, 1/8W, Metalized Glass. .	2322 734 61302
	3408	Res, 1K8, 5%, 1/10W, Metalized Glass .	3198 021 51820
	3409	Res, 1K5, 5%, 1/10W, Metalized Glass .	3198 021 51520
	3410	Res, 820 ohm, 5%, 1/10W, Metalized Glas	3198 021 58210
	3411	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
	3412	Res, 1K5, 5%, 1/10W, Metalized Glass .	3198 021 51520
	3413	Res, 1K1, 1%, 1/8W, Metalized Glass. .	2322 734 61102
	3414	Res, 620 ohm, 1%, 1/8W, Metalized Glass	2322 734 66201
	3415	Res, 620 ohm, 1%, 1/8W, Metalized Glass	2322 734 66201
	3416	Res, 1K1, 1%, 1/8W, Metalized Glass. .	2322 734 61102
	3417	Res, 1K3, 1%, 1/8W, Metalized Glass. .	2322 734 61302
	3419	Res, 2K, 1%, 1/8W, Metalized Glass . .	2322 734 62002
	3420	Res, 1K2, 5%, 1/10W, Metalized Glass .	3198 021 51220
	3421	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
	3422	Res, 3K, 1%, 1/8W, Metalized Glass . .	2322 734 63002
	3423	Res, 1K, 1%, 1/8W, Metalized Glass . .	2322 734 61002
	3424	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3426	Res, 1K, 1%, 1/8W, Metalized Glass . .	2322 734 61002
	3427	Res, 1K3, 1%, 1/8W, Metalized Glass. .	2322 734 61302
	3428	Res, 910 ohm, 1%, 1/8W, Metalized Glass	2322 734 69101
	3429	Res, 2K7, 5%, 1/10W, Metalized Glass .	3198 021 52720
	3430	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3431	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3433	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3434	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3435	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3436	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3701	Res, 330K, 5%, 1/10W, Metalized Glass.	3198 021 53340
	3702	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3703	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3704	Res, 8K2, 5%, 1/10W, Metalized Glass .	3198 021 58220
	3705	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3707	Res, 680 ohm, 5%, 1/10W, Metalized Glas	3198 021 56810
	3715	Res, 82K, 5%, 1/10W, Metalized Glass .	3198 021 58230
	3716	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3717	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3718	Res, 120K, 5%, 1/8W, Metalized Glass .	2322 730 61124
	3900	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
	3901	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
	3902	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
	3903	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3904	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3905	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3906	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3909	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3910	Res, 6K8, 5%, 1/10W, Metalized Glass .	3198 021 56820
	3911	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3912	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3913	Res, 6K8, 5%, 1/10W, Metalized Glass .	3198 021 56820
	3914	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3915	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3916	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3917	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
S	3940	Res, 3R9, 5%, 1/8W, Metalized Glass. .	2322 750 63908
S	3941	Res, 3R3, 5%, 1/8W, Metalized Glass. .	2322 750 63308
	3999	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	4701	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	6400	Zener Diode, 3.9 volt.	3198 020 53980
	6700	Diode, 1PS76SB10	9340 453 90115
	6701	Diode, 1PS76SB10	9340 453 90115
	6703	Diode, 1PS76SB10	9340 453 90115
	6900	Zener Diode, 6.8 volt.	3198 020 56880
	6901	Zener Diode, 6.8 volt.	3198 020 56880
	6902	Zener Diode, 6.8 volt.	3198 020 56880
	6903	Zener Diode, 6.8 volt.	3198 020 56880
	6904	Zener Diode, 6.8 volt.	3198 020 56880
	6905	Zener Diode, 6.8 volt.	3198 020 56880
	6906	Zener Diode, 6.8 volt.	3198 020 56880
	6907	Zener Diode, 6.8 volt.	3198 020 56880
	6908	Zener Diode, 6.8 volt.	3198 020 56880
	6909	Zener Diode, 6.8 volt.	3198 020 56880
	6914	Zener Diode, 6.8 volt.	3198 020 56880
	6915	Zener Diode, 6.8 volt.	3198 020 56880
	6916	Zener Diode, 6.8 volt.	3198 020 56880
	6917	Zener Diode, 6.8 volt.	3198 020 56880
	7101	IC, TDA8601T/C1.	9351 538 90518
	7102	IC, 74HC4052D.	9337 148 30653
	7105	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
	7106	IC, M62320FP	9322 127 15668
	7107	IC, TDA8601T/C1.	9351 538 90518

S = Safety Part   Be sure to use exact replacement part.

27PT830H37C (continued)

	Ref	Description	Part No.
	7108	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
	7109	Transistor, PNP, BC857B(COL)	3198 010 42150
	7110	Transistor, NPN, BC847B(COL)	3198 010 42030
	7400	IC, TSH93ID.	9322 145 66668
	7450	IC, TSH93ID.	9322 145 66668
	7451	Transistor, NPN, BC847B(COL)	3198 010 42030
	7452	Transistor, NPN, BC847B(COL)	3198 010 42030
	7453	Transistor, NPN, BC847B(COL)	3198 010 42030
	7700	IC, LM1881M.	9322 005 78668
	7713	Transistor, NPN, BC847B(COL)	3198 010 42030
	7750	IC, 74HCT4538D	9337 153 90118
	7751	IC, 74HCT4538D	9337 153 90118

Front I/O Panel

Front I/O Panel

YPbPr 1FH Interface + Expander

	Ref	Description	Part No.
		YPbPr 1FH Interface + Expander	
	CBA	YPbPr 1FH Interface + Expander	3104 328 10862
	0025	Contact Pin.	2422 034 20021
	0224	5 Pin Board Connector.	2422 025 06353
	1933	4 Pin Board Connector.	2422 025 12489
	1934	6 Pin Board Connector.	2422 025 10738
	2801	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2803	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2805	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2810	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2811	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	3801	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3802	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
	3803	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
	3804	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3805	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3806	Res, 180 ohm, 5%, 1/10W, Metalized Glas	3198 021 51810
	3807	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3808	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3811	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3812	Res, 68K, 5%, 1/10W, Metalized Glass	3198 021 56830
	3813	Res, 39K, 5%, 1/10W, Metalized Glass	3198 021 53930
	3814	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3815	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3816	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3817	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3818	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3819	Res, 3R9, 5%, 1/8W, Metalized Glass.	2322 750 63908
	3821	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3822	Res, 68K, 5%, 1/10W, Metalized Glass	3198 021 56830
	3823	Res, 39K, 5%, 1/10W, Metalized Glass	3198 021 53930
	3824	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3825	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3826	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3827	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3828	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3830	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3831	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3899	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
	4801	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4802	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4803	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4804	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	7800	Transistor, NPN, BC847B(COL)	3198 010 42030
	7801	Transistor, PNP, BC857B(COL)	3198 010 42150
	7802	Transistor, NPN, BC847B(COL)	3198 010 42030
	7803	Transistor, PNP, BC857B(COL)	3198 010 42150
	7804	Transistor, NPN, BC847B(COL)	3198 010 42030
	7805	Transistor, PNP, BC857B(COL)	3198 010 42150
	7806	IC, M62320FP	9322 127 15668
	9000	Wire Jumper.	3198 036 90010
	9001	Wire Jumper.	3198 036 90010
	9002	Wire Jumper.	3198 036 90010
	9403	Wire Jumper.	3198 036 90010
	9404	Wire Jumper.	3198 036 90010
	9405	Wire Jumper.	3198 036 90010
	9406	Wire Jumper.	3198 036 90010
	9407	Wire Jumper.	3198 036 90010
	9408	Wire Jumper.	3198 036 90010
	9409	Wire Jumper.	3198 036 90010
	9410	Wire Jumper.	3198 036 90010
	9411	Wire Jumper.	3198 036 90010

Cabinet Parts

	Ref	Description	Part No.
		Cabinet Parts	
	AC01	Nameplate.	3141 050 00161
	AC02	Anode Lead Clip.	3135 014 04471
	AC04	Degaussing Coil Bracket (4 used)	3139 124 31122
S	AC05	Degaussing Coil.	2422 549 43967
	AC06	Light Guide.	3139 124 33811
	AC07	Power Button Cover	3139 124 32921
	AC07	Power Button Shaft	3139 124 32791
	AC08	Top Control Button	3139 124 30391
	AC09	Top Control Bracket.	3139 124 33941
	AC10	Front Interface Bracket.	3139 124 32891
	AC11	Chassis Frame.	3104 304 22832
	AC13	DAF DC Shift Bracket	3104 304 23951
	AC14	Connector, Support Bracket	3104 304 21603
	AC16	3D Comb Filter Bracket	3139 124 40621
	AC17	LOT-SSB Support.	3104 304 21114
	AC18	LOT Spacer	3104 304 22031
	AC19	Side A/V Bracket	3139 124 32801
	AC20	SSB Shielding, Bottom.	3104 301 23963
	AC21	SSB Shielding, Top	3104 301 24111
	AC22	SSB Shielding, Frame	3104 301 24124
	AC24	Cabinet Back	3139 124 45591
	AC25	Speaker, 5W, 16 ohm (2 Used)	3139 128 76071
S	AC26	CRT, A68QCP891X500	3104 309 16301
	AC27	Cabinet Front.	3139 177 61691
	AC29	Insulator Plate.	3104 304 90361
	AC30	SSB Snap	3104 304 24111
	AC32	Owner's Manual (French).	3121 235 21021
	AC32	Owner's Manual (Spanish)	3121 235 21041
	AC32	Owner's Manual (English)	3121 235 20861
S	AC33	AC Power Cord.	3135 010 03831
	AC34	Batteries for Remote Control Transmitte	9299 000 10137
	AC35	Quick Use Guide (English).	3121 233 44001
	AC35	Quick Use Guide (Spanish).	3121 233 44381
	AC35	Quick Use Guide (French)	3121 233 44271
	AC38	Cabinet Front Assembly (Shown Exploded)	3121 237 53191
	AC39	Torx Driver - T10 7" length	4935 395 17249
	AC40	Torx Driver - T10 10" length.	4835 395 97018
	REMOTE	Remote Control Transmitter, RCEU023/02	3139 128 76712

CRT Panel

	Ref	Description	Part No.
		CRT Panel	
	CBA	CRT Panel.	3139 187 20851
	0224	7 Pin Board Connector.	2422 025 11244
S	0235	Ground Clip.	3104 301 08281
	0236	Contact Pin.	2422 015 18552
S	0298	10 Pin CRT Socket.	2422 500 80063
	0340	11 Pin Board Connector	2422 025 12485
	0383	3 Pin Board Connector.	2412 020 00725
	2103	Cap, 330p, 5%, 50v, Ceramic.	3198 016 33310
	2104	Cap, 330p, 5%, 50v, Ceramic.	3198 016 33310
	2105	Cap, 330p, 5%, 50v, Ceramic.	3198 016 33310
	2118	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
	2300	Cap, 22u, 20%, 100v, Electrolytic.	3198 025 72290
	2301	Cap, 220u, 20%, 16v, Electrolytic.	3198 025 22210
	2302	Cap, 10p, 5%, 50v, Ceramic	3198 016 01090
	2303	Cap, 470p, 5%, 50v, Ceramic.	3198 016 34710
	2304	Cap, 22n, 10%, 100v, Metalized Polyeste	2222 365 85223
	2306	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2307	Cap, 22n, 10%, 50v, Ceramic.	3198 017 02230
	2308	Cap, 15p, 5%, 50v, Ceramic	3198 016 01590
	2309	Cap, 22n, 10%, 50v, Ceramic.	3198 017 02230
	2310	Cap, 18p, 5%, 50v, Ceramic	3198 016 01890
	2312	Cap, 22p, 5%, 50v, Ceramic	3198 016 02290
	2313	Cap, 100u, 20%, 250v, Electrolytic	2022 031 00211
	2315	Cap, 330p, 5%, 50v, Ceramic.	3198 016 03310
	2316	Cap, 100n, 10%, 250v, Metalized Polyester.	2020 308 90143
	2317	Cap, 1n2, 5%, 2000v, Polypropylene	2222 375 90226
	2318	Cap, 22n, +80/-20%, 50v, Ceramic	3198 017 22230
	2319	Cap, 10n, +80/-20%, 50v, Ceramic	3198 019 21030
	2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2337	Cap, 100p, 5%, 50v, Ceramic.	3198 016 31010
	2409	Cap, 470n, +80/-20%, 10v, Ceramic.	3198 017 44740
	2410	Cap, 470n, +80/-20%, 10v, Ceramic.	3198 017 44740
	2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2412	Cap, 330p, 5%, 50v, Ceramic.	3198 016 33310
	2420	Cap, 470n, +80/-20%, 10v, Ceramic.	3198 017 44740
	3106	Res, 1K8, 1%, 1/16W, Metalized Glass	2322 704 61802
	3107	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3109	Res, 1K8, 1%, 1/16W, Metalized Glass	2322 704 61802
	3110	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3111	Trim Pot, 470 ohm, 25%	2120 358 90538
	3113	Res, 1K8, 1%, 1/16W, Metalized Glass	2322 704 61802
	3114	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3115	Trim Pot, 470 ohm, 25%	2120 358 90538
	3116	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3117	Res, 2K7, 1%, 1/16W, Metalized Glass	2322 704 62702
	3118	Res, 2K2, 1%, 1/16W, Metalized Glass	2322 704 62202
	3119	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3120	Res, 270 ohm, 1%, 1/16W, Metalized Glas	2322 704 62701
	3121	Res, 270 ohm, 1%, 1/16W, Metalized Glas	2322 704 62701
	3122	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3123	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3124	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3125	Trim Pot, 470 ohm, 25%	2120 358 90538
S	3300	Res, 5R6, 5%, 1/3W, Metal Film	2306 204 03568
	3301	Res, 10K, 5%, 2 1/2W, Metal Film	2322 195 63103
	3303	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3304	Res, 820 ohm, 5%, 1/10W, Metalized Glas	3198 021 58210
	3307	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3308	Res, 56K, 5%, 1/10W, Metalized Glass	3198 021 55630
	3309	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510

S = Safety Part   Be sure to use exact replacement part.

27PT830H37C (continued)

	3310	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3311	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3312	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3315	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3316	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3317	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3318	Res, 15 ohm, 5%, 1/10W, Metalized Glass	3198 021 51590
	3319	Res, 820 ohm, 5%, 1/10W, Metalized Glas	3198 021 58210
	3320	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3322	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3334	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3338	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
	3339	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
	3340	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
S	3341	Res, 100 ohm, 5%, 1/3W, Metal Film . .	2306 204 03101
	3342	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3343	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
	3345	Res, 33 ohm, 5%, 1/6W, Carbon Film . .	3198 011 03390
	3347	Res, 1K5, 20%, 1/2W, Carbon Film . . .	3198 013 01520
	3348	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
	3349	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
	3350	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3351	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3352	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3353	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
	3355	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3356	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3357	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3358	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 021 53910
	3359	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3366	Voltage Dependent Resistor	2322 593 13507
	3375	Res, 100K, 1%, 3/5W, Metal Film. . . .	2312 915 11004
	3376	Res, 100K, 1%, 3/5W, Metal Film. . . .	2312 915 11004
	3377	Res, 100K, 1%, 3/5W, Metal Film. . . .	2312 915 11004
	3378	Res, 4R7, 5%, 1/16W, Metalized Glass .	3198 021 34780
	3379	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
	3398	Res, 4K7, 5%, 1/6W, Carbon Film. . . .	3198 011 04720
	3405	Res, 39 ohm, 5%, 1/4W, Carbon Film . .	2120 101 74399
	3410	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3411	Res, 100K, 5%, 1/6W, Carbon Film . . .	3198 011 01040
S	3412	Res, 15 ohm, 5%, 1/8W, Metalized Glass	2322 750 61509
	3413	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3414	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3416	Res, 39 ohm, 5%, 1/4W, Carbon Film . .	2120 101 74399
	4115	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	4301	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4302	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	6100	Zener Diode, 5.6 volt.	3198 020 55680
	6305	Diode, BAS321.	9340 553 52115
	6306	Diode, BAS321.	9340 553 52115
	6307	Diode, BAS321.	9340 553 52115
	6308	Diode, MCL4148	9322 128 15685
	6309	Diode, MCL4148	9322 128 15685
	7300	Transistor, NPN, BF199	9330 634 20126
	7301	Transistor, NPN, BFS20	9330 921 11215
	7302	Transistor, PNP, 2SA1358	9322 166 55682
	7303	Transistor, NPN, 2SC3421	9322 166 56682
	7304	Transistor, PNP, BF824	9337 223 50215
	7307	IC, TDA6103Q/N3.	9352 079 80112
	7308	Transistor, NPN, BFS20	9330 921 11215
	9301	Wire Jumper.	3198 036 90010
	9302	Wire Jumper.	3198 036 90010
	9305	Wire Jumper.	3198 036 90010
	9307	Wire Jumper.	3198 036 90010
	9308	Wire Jumper.	3198 036 90010
	9309	Wire Jumper.	3198 036 90010
	9310	Wire Jumper.	3198 036 90010
	9311	Wire Jumper.	3198 036 90010
	9313	Wire Jumper.	3198 036 90010
	9314	Wire Jumper.	3198 036 90010
	9316	Wire Jumper.	3198 036 90010
	9317	Wire Jumper.	3198 036 90010
	9318	Wire Jumper.	3198 036 90010
	9321	Wire Jumper.	3198 036 90010
	9322	Wire Jumper.	3198 036 90010
	9323	Wire Jumper.	3198 036 90010
	9324	Wire Jumper.	3198 036 90010
	9325	Wire Jumper.	3198 036 90010
	9326	Wire Jumper.	3198 036 90010
	9330	Wire Jumper.	3198 036 90010
	9333	Wire Jumper.	3198 036 90010
	9336	Wire Jumper.	3198 036 90010
	9337	Wire Jumper.	3198 036 90010
	9401	Wire Jumper.	3198 036 90010
	9403	Wire Jumper.	3198 036 90010

S = Safety Part   Be sure to use exact replacement part.

32PT740H37A - Manual no. 7644

Large Signal Panel

	Ref	Description	Part No.
		Large Signal Panel	
	CBA	Large Signal Panel	3104 328 25201
S	0010	2 Pin Board Connector	2422 025 16374
S	0020	2 Pin Board Connector	2422 025 16375
	0150	Fuse Holder	2422 088 00271
	0153	Fuse Holder	2422 088 00271
	0203	4 Pin Board Connector	2422 025 04852
	0204	6 Pin Board Connector	2422 025 04854
	0317	2 Pin Board Connector	2422 025 16269
	0324	7 Pin Board Connector	2422 025 04855
	0325	3 Pin Board Connector	2422 025 16382
	0390	3 Pin Board Connector	2412 020 00725
	1001	Spark Gap	2422 549 42349
S	1002	Relay, 5 Amp, 5V	2422 132 07411
	1200	Tuner	2422 542 90119
S	1401	Fuse, T315MA, 250V	2422 086 10465
S	1501	Fuse, T6A3, 250V	2422 086 00194
S	1503	Fuse, F2A5, 250V	2422 086 10987
	1735	3 Pin Board Connector	2422 025 16407
	1736	3 Pin Board Connector	2422 025 16382
	1900	12 Pin Cinch Jack	2422 026 05064
	1901	SVHS Jack	2422 026 04926
	1923	80 Pin SIMM Socket	2422 025 16599
	1924	5 Pin Board Connector	2422 025 04853
	1936	11 Pin Board Connector	2422 025 12485
	1940	11 Pin Board Connector	2422 015 18953
	1943	3 Pin Board Connector	2422 025 09191
	1945	3 Pin Board Connector	2412 020 00725
	1946	2 Pin Board Connector	2422 025 09405
	1947	5 Pin Board Connector	2422 025 12481
	1951	5 Pin Board Connector	2422 025 04853
S	1975	Fuse, 250MA, 65V	2422 086 10578
	2101	Cap, 2n2, 10%, 50v, Ceramic	3198 019 12220
	2102	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2104	Cap, 2u2, 20%, 16v, Electrolytic	3198 026 22220
	2106	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2108	Cap, 10n, 10%, 400v, Metalized Polyeste	2222 365 55103
	2109	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
	2110	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
S	2112	Cap, 100n, 20%, 275v, Metalized Polypropylene	2222 336 29144
	2113	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2115	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
	2116	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
	2117	Cap, 220p, 10%, 500v, Ceramic	3198 019 42210
	2120	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2132	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2200	Cap, 470u, 20%, 10v, Electrolytic	3198 025 14710
	2201	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2202	Cap, 220n, +80/-20%, 50v, Ceramic	2238 580 19814
	2203	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2400	Cap, 47u, 20%, 160v, Electrolytic	2020 021 91139
	2402	Cap, 3n3, 10%, 500v, Ceramic	3198 019 43320
	2408	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2412	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2413	Cap, 10u, 20%, 50v, Electrolytic	2020 021 91548
	2414	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2415	Cap, 220p, 5%, 50v, Ceramic	3198 016 02210
S	2416	Cap, 1n, 20%, v, Ceramic	2020 554 90129
	2417	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2419	Cap, 470p, 10%, 2000v, Ceramic	2020 558 90483
	2420	Cap, 1n8, 5%, 2000v, Polypropylene	2222 375 90237
	2421	Cap, 1u2, 5%, 250v, Metalized Polypropylene	2022 333 00097
	2424	Cap, 1n, 10%, 500v, Ceramic	3198 019 41020
	2425	Cap, 15n, 5%, 2000v, Polypropylene	2222 375 90179
	2426	Cap, 18n, 5%, 630v, Polypropylene	2222 375 90218
	2429	Cap, 4n7, 10%, 400v, Metalized Polyeste	2222 365 55472
	2430	Cap, 10n, 10%, 100v, Metalized Polyeste	2222 365 85103
	2431	Cap, 1n, 10%, 500v, Ceramic	3198 019 41020
	2433	Cap, 680n, 5%, 250v, Metalized Polypropylene	2022 333 00091
	2436	Cap, 1u, 20%, 160v, Electrolytic	2020 021 90561
	2445	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2446	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2447	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2448	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2450	Cap, 100n, 10%, 100v, Metalized Polyester	2222 365 85104
	2454	Cap, 1u, 10%, 16v, Ceramic	2020 552 96448
	2455	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2460	Cap, 3u3, 20%, 16v, Electrolytic	3198 026 23320
	2461	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2462	Cap, 2u2, 20%, 25v, Electrolytic	3198 026 32220
	2463	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2464	Cap, 2u2, 20%, 25v, Electrolytic	3198 026 32220
	2465	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2468	Cap, 4u7, 20%, 350v, Electrolytic	2020 021 91304
	2469	Cap, 1n5, 10%, 1000v, Ceramic	3198 019 61520
	2471	Cap, 18n, 2%, 63v, Polypropylene	2222 460 90025
	2480	Cap, 4n7, 10%, 50v, Polyester	3198 014 04720
	2485	Cap, 10n, 2%, 63v, Polypropylene	2222 460 90022
	2489	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2492	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	2493	Cap, 22n, +80/-20%, 50v, Ceramic	3198 017 22230
	2494	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2495	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2496	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2497	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2498	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2499	Cap, 3n3, 10%, 50v, Ceramic	3198 017 03320
	2501	Cap, 2n2, 10%, 1000v, Ceramic	2020 558 90571
	2502	Cap, 2n2, 10%, 50v, Ceramic	3198 019 12220
	2503	Cap, 33n, 10%, 100v, Metalized Polyeste	2222 365 85333
S	2505	Cap, 3n3, 20%, v, Ceramic	2020 554 90174
	2506	Cap, 470n, 10%, 100v, Metalized Polyester	2222 365 25474
	2507	Cap, 470n, 20%, 275v, Metalized Polypropylene	2222 336 29148
	2509	Cap, 2n2, 10%, 1000v, Ceramic	3198 019 52220
	2510	Cap, 470u, 20%, 200v, Electrolytic	2020 024 90647
	2511	Cap, 470u, 20%, 200v, Electrolytic	2020 024 90647
	2512	Cap, 1000u, 20%, 35v, Electrolytic	3198 026 41020
	2513	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2514	Cap, 330p, 10%, 50v, Ceramic	3198 017 03310
	2515	Cap, 47u, 20%, 160v, Electrolytic	2020 021 91543
	2518	Cap, 150p, 10%, 500v, Ceramic	3198 019 41510
	2519	Cap, 2n2, 10%, 500v, Ceramic	3198 019 42220
	2520	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2521	Cap, 270p, 5%, 50v, Ceramic	3198 016 02710
	2529	Cap, 470u, 20%, 6.3v, Electrolytic	3198 025 04710
	2530	Cap, 470n, +80/-20%, 16v, Ceramic	3198 017 24740
	2531	Cap, 1n5, 10%, 500v, Ceramic	3198 019 41520
	2536	Cap, 1u, 20%, 50v, Electrolytic	3198 025 51080
S	2537	Cap, 22n, 20%, 275v, Metalized Polypropylene	2222 336 29139
	2538	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2601	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2602	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2603	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2604	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2606	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2607	Cap, 2u2, 20%, 100v, Electrolytic	3198 025 72280
	2609	Cap, 220u, 20%, 16v, Electrolytic	3198 025 22210
	2610	Cap, 470n, 10%, 25v, Ceramic	2020 552 96465
	2611	Cap, 330n, 10%, 16v, Ceramic	2222 780 15656
	2620	Cap, 220n, +80/-20%, 50v, Ceramic	2238 580 19814
	2621	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2622	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2624	Cap, 470n, 10%, 50v, Polyester	3198 014 04740
	2625	Cap, 470n, 10%, 50v, Polyester	3198 014 04740
	2627	Cap, 1u, 20%, 100v, Electrolytic	3198 025 71080
	2639	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2640	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
	2641	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2642	Cap, 100u, 20%, 50v, Electrolytic	2020 021 90587
	2643	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2653	Cap, 1n, 5%, 50v, Ceramic	3198 016 01020
	2704	Cap, 47u, 20%, 50v, Electrolytic	3198 025 54790
	2730	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2731	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2732	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2733	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2734	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2735	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2738	Cap, 470u, 20%, 16v, Electrolytic	3198 025 24710
	2739	Cap, 470u, 20%, 16v, Electrolytic	3198 025 24710
	2756	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	2758	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
	2760	Cap, 1000u, 20%, 25v, Electrolytic	3198 026 31020
	2761	Cap, 1000u, 20%, 25v, Electrolytic	3198 026 31020
	2765	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2767	Cap, 220u, 20%, 25v, Electrolytic	3198 025 32210
	2782	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	2784	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2785	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2788	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2905	Cap, 3u3, 20%, 16v, Electrolytic	3198 026 23320
	2906	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2910	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2912	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2913	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2914	Cap, 100u, 20%, 10v, Electrolytic	3198 025 11010
	2917	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2920	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2921	Cap, 1n, 5%, 50v, Ceramic	3198 016 01020
	2923	Cap, 330p, 5%, 50v, Ceramic	3198 016 03310
	2925	Cap, 330p, 5%, 50v, Ceramic	3198 016 03310
	2926	Cap, 470u, 20%, 6.3v, Electrolytic	3198 025 04710
	2927	Cap, 47u, 20%, 50v, Electrolytic	3198 025 54790
	2928	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2941	Cap, 6n8, 10%, 50v, Ceramic	3198 017 06820

S = Safety Part   Be sure to use exact replacement part.

32PT740H37A (continued)

	2942	Cap, 6n8, 10%, 50v, Ceramic.	3198 017 06820
	2951	Cap, 1u, 20%, 50v, Electrolytic. . . .	3198 025 51080
	2952	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	2953	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	3101	Res, 3M3, 5%, 1/4W, Metalized Glass. .	2322 241 53335
	3102	Res, 680 ohm, 1%, 3/5W, Metal Film . .	2312 915 16801
	3103	Res, 680 ohm, 1%, 3/5W, Metal Film . .	2312 915 16801
	3104	Res, 47 ohm, 5%, 1/6W, Carbon Film . .	3198 011 04790
	3105	Res, 680 ohm, 1%, 3/5W, Metal Film . .	2312 915 16801
	3106	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3107	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3108	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
	3109	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
S	3110	Res, 10 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03109
	3113	Res, 22 ohm, 5%, 1/6W, Carbon Film . .	3198 011 02290
	3114	Res, 220 ohm, 5%, 1/6W, Carbon Film. .	3198 011 02210
	3117	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3118	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
	3119	Res, 33 ohm, 5%, 1/6W, Carbon Film . .	3198 011 03390
	3120	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3121	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3123	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
	3124	Res, 68 ohm, 5%, 1/6W, Carbon Film . .	3198 011 06890
	3125	Res, 15 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01590
	3126	Res, 10K, 5%, 1/6W, Carbon Film. . . .	3198 011 01030
	3127	Res, 5K6, 5%, 1/6W, Carbon Film. . . .	3198 011 05620
	3130	Res, 47 ohm, 5%, 1/6W, Carbon Film . .	3198 011 04790
	3148	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3200	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3201	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3202	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3203	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
S	3230	Res, 22K, 5%, 1 1/3W, Metal Film . . .	3198 012 22230
	3237	Wire Jumper.	3198 036 90010
	3402	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3403	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3404	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3406	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3407	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3408	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3409	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3410	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3411	Res, 39 ohm, 5%, 1/4W, Carbon Film . .	2120 101 74399
	3414	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
S	3415	Res, 15 ohm, 5%, 2 1/2W, Metal Film. .	3198 012 31590
	3417	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
	3418	Res, 68K, 1%, 3/5W, Metal Film	2312 915 16803
S	3431	Res, 330 ohm, 5%, 1/3W, Metal Film . .	2306 204 03331
S	3436	Res, 22K, 5%, 1 1/3W, Metal Film . . .	3198 012 22230
	3439	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3440	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3441	Res, 1M, 5%, 1/10W, Metalized Glass. .	3198 021 51050
	3442	Res, 470K, 5%, 1/10W, Metalized Glass.	3198 021 54740
	3443	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3444	Res, 39K, 5%, 1/10W, Metalized Glass .	3198 021 53930
	3445	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3446	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
S	3447	Res, 22 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03229
	3450	Res, 15K, 5%, 1/6W, Carbon Film. . . .	3198 011 01530
	3451	Res, 8K2, 5%, 1/6W, Carbon Film. . . .	3198 011 08220
	3452	Res, 82 ohm, 5%, Metalized Glass . . .	2120 108 30829
	3454	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
	3455	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3458	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
S	3459	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S	3460	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S	3461	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S	3462	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S	3463	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S	3464	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S	3465	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S	3466	Res, 2R2, 5%, 1/3W, Metal Film	2306 204 03228
S	3467	Res, 2R2, 5%, 1/3W, Metal Film	2306 204 03228
S	3468	Res, 6R8, 5%, 1/2W, Metal Film	2306 207 03688
	3470	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3471	Res, 6K8, 5%, 1/10W, Metalized Glass .	3198 021 56820
	3472	Res, 39K, 5%, 1/10W, Metalized Glass .	3198 021 53930
	3473	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3474	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3475	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3476	Res, 220K, 5%, 1/6W, Carbon Film . . .	3198 011 02240
	3477	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3478	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
S	3479	Res, 100 ohm, 5%, 1 1/3W, Metal Film .	3198 012 21010
	3481	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3484	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3485	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3486	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3487	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3489	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3495	Res, 33K, 1%, 3/5W, Metal Film	2312 915 13303
	3496	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3497	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3498	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
S	3500	Res, 0R47, 10%, 7W, Wire Wound	2322 252 41477
S	3501	Res, 220 ohm, 20%, 1/2W, Carbon Film .	3198 013 02210
S	3502	Res, 4M7, 5%, 1/2W, Metalized Glass. .	2322 242 13475
S	3503	Res, 4M7, 5%, 1/2W, Metalized Glass. .	2322 242 13475
	3504	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3505	Res, 68K, 5%, 1/10W, Metalized Glass .	3198 021 56830
	3506	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3507	Res, 160K, 1%, 3/5W, Metal Film. . . .	2312 915 11604
S	3508	Res, 6K8, 5%, 1W, Metal Film	3198 012 16820
S	3509	VDR, 800V.	2322 595 90025
	3510	Res, 2K, 1%, 1/8W, Metalized Glass . .	2322 734 62002
	3511	Res, 3K9, 5%, 1/6W, Carbon Film. . . .	3198 011 03920
	3512	Res, 68K, 5%, 1/6W, Carbon Film. . . .	3198 011 06830
	3513	Res, 330K, 5%, 1W, Metal Film.	2322 193 53334
	3514	Res, 1R2, 5%, 1W, Metal Film	2322 193 53128
	3515	Res, 0R68, 5%, 3/5W, Metal Film. . . .	3198 012 16870
	3517	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3518	Res, 100K, 5%, 1/6W, Carbon Film . . .	3198 011 01040
	3519	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
S	3520	Res, 33K, 5%, 2 1/2W, Metal Film . . .	3198 012 33330
S	3521	Res, 1M, 5%, 1/2W, Metalized Glass . .	2322 242 13105
	3522	Res, 6K8, 5%, 1/6W, Carbon Film. . . .	3198 011 06820
	3523	Res, 1M, 5%, 1/10W, Metalized Glass. .	3198 021 51050
	3524	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3525	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3526	Res, 0R1, 5%, 3/5W, Metal Film	3198 012 11070
	3527	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
	3528	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3529	Res, 680 ohm, 5%, 1/10W, Metalized Glas	3198 021 56810
	3530	Res, 68K, 5%, 1/6W, Carbon Film. . . .	3198 011 06830
	3531	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
S	3532	Res, PTC, 1R5, Degaussing.	2322 662 96753
	3533	Res, 15 ohm, 5%, 1/10W, Metalized Glass	3198 021 51590
	3535	Res, 27K, 5%, 1/10W, Metalized Glass .	3198 021 52730
	3536	Res, 680K, 5%, 1/10W, Metalized Glass.	3198 021 56840
	3537	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3540	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3541	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3542	Res, 0R1, 5%, 3/5W, Metal Film	3198 012 11070
	3543	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3544	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3545	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3550	Res, 220 ohm, 20%, 1/2W, Carbon Film .	3198 013 02210
	3600	Res, 470K, 1%, 3/5W, Metal Film. . . .	2312 915 14704
	3601	Res, 220K, 1%, 3/5W, Metal Film. . . .	2312 915 12204
	3602	Res, 8K2, 5%, 1/10W, Metalized Glass .	3198 021 58220
	3603	Trim Pot, 470 ohm.	2120 368 90118
	3604	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3605	Res, 27K, 5%, 1/10W, Metalized Glass .	3198 021 52730
	3606	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3607	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3608	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3609	Trim Pot, 22k.	2120 368 90124
	3610	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3613	Res, 270K, 5%, 1/8W, Metalized Glass .	2322 730 61274
	3616	Res, 470K, 5%, 1/6W, Carbon Film . . .	3198 011 04740
	3617	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3618	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3619	Res, 5K6, 5%, 1/10W, Metalized Glass .	3198 021 55620
	3620	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
	3621	Res, 1 ohm, 5%, 1/6W, Carbon Film. . .	3198 011 01080
	3622	Res, 1 ohm, 5%, 1/6W, Carbon Film. . .	3198 011 01080
	3623	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
S	3624	Res, 1R5, 5%, 1/3W, Metal Film	2306 204 03158
	3626	Res, 270 ohm, 5%, 1/6W, Carbon Film. .	3198 011 02710
	3627	Res, 1M, 5%, 1/6W, Carbon Film	3198 011 01050
	3628	Res, 1 ohm, 5%, 1/6W, Carbon Film. . .	3198 011 01080
	3630	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3631	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3632	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3633	Res, 150K, 5%, 1/10W, Metalized Glass.	3198 021 51540
	3634	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3635	Res, 1K5, 5%, 1/10W, Metalized Glass .	3198 021 51520
	3636	Res, 270K, 5%, 1/8W, Metalized Glass .	2322 730 61274
	3639	Res, 470K, 5%, 1/10W, Metalized Glass.	3198 021 54740
	3640	Res, 22K, 5%, 1/6W, Carbon Film. . . .	3198 011 02230
	3641	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3642	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3643	Res, 33K, 5%, 1/10W, Metalized Glass .	3198 021 53330
	3644	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3645	Res, 330K, 5%, 1/6W, Carbon Film . . .	3198 011 03340
	3652	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3653	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3654	LED	
	3654	LED	
	3661	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3663	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3701	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3702	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3705	Res, 1K2, 5%, 1/10W, Metalized Glass .	3198 021 51220

S = Safety Part   Be sure to use exact replacement part.

32PT740H37A (continued)

Ref	Description	Part No.
3706	Res, 1K2, 5%, 1/10W, Metalized Glass .	3198 021 51220
3710	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3711	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3714	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
3715	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3716	Res, 1K5, 5%, 1/10W, Metalized Glass .	3198 021 51520
3717	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
3730	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3731	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3732	Res, 8K2, 5%, 1/10W, Metalized Glass .	3198 021 58220
3733	Res, 8K2, 5%, 1/10W, Metalized Glass .	3198 021 58220
3734	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
3735	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
3736	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3737	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3738	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
3739	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
3740	Res, 68K, 5%, 1/10W, Metalized Glass .	3198 021 56830
3741	Res, 68K, 5%, 1/10W, Metalized Glass .	3198 021 56830
3742	Res, 68 ohm, 5%, 1/6W, Carbon Film . .	3198 011 06890
3743	Res, 68 ohm, 5%, 1/6W, Carbon Film . .	3198 011 06890
3744	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
3745	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
3750	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
3756	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3757	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
3758	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
3762	Res, 8R2, 5%, 1/8W, Metalized Glass. .	2322 730 61828
3765	Res, 6K8, 5%, 1/10W, Metalized Glass .	3198 021 56820
3770	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
3773	Res, 150K, 5%, 1/10W, Metalized Glass.	3198 021 51540
3789	Res, 8R2, 5%, 1/8W, Metalized Glass. .	2322 730 61828
3790	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3792	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3908	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
3909	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
3910	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3911	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
3912	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
3913	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
3914	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3915	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
3919	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3920	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
S 3925	Res, 6R8, 5%, 1/3W, Metal Film	2306 204 03688
3928	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3929	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3930	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
3932	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
3935	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
3936	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
3937	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
3940	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
3941	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
3944	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3946	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3950	Res, 1K8, 5%, 1/6W, Carbon Film. . . .	3198 011 01820
3955	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
3970	Res, 120 ohm, 5%, 1/10W, Metalized Glas	3198 021 51210
3971	Res, 2K7, 5%, 1/10W, Metalized Glass .	3198 021 52720
3972	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
3975	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
3991	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
3992	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
3993	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3995	Wire Jumper.	3198 036 90010
3996	Wire Jumper.	3198 036 90010
3997	Wire Jumper.	3198 036 90010
4102	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4401	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4402	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4403	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4405	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4406	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4407	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4408	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4409	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4410	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4412	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4413	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4415	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4416	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4441	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4442	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4443	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4444	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4483	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4490	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4521	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4522	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4611	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4615	Res, Zero ohm, "Chip" Jumper	3198 021 90020

Ref	Description	Part No.
4617	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4618	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4702	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4707	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4710	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4722	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4723	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4724	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4901	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4902	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4904	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4906	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4908	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4910	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4911	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4915	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4916	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4919	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4920	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4921	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4923	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4924	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4926	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4927	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4928	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4929	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4930	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4932	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4933	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4934	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4935	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4937	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4938	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4939	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4941	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4945	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4946	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4947	Res, Zero ohm, "Chip" Jumper	3198 021 90020
S 5101	Standby Power Transformer.	2422 531 02449
5102	Coil, 8u2.	3198 018 28280
5103	Ferrite Bead, 50MHz.	2422 535 95748
5104	Ferrite Bead, 100MHz	3198 018 90020
5105	Ferrite Bead, 50MHz.	2422 535 95748
5106	Coil, 1u	3198 018 11080
5110	Ferrite Bead, 100MHz	3198 018 90020
5115	Ferrite Bead, 100MHz	3198 018 90020
5120	Coil, 680n	3198 018 16870
5200	Coil, 6u8.	2422 535 94267
5203	Inductor, 100MHz, 600 ohm.	3198 018 90080
5204	Inductor, 100MHz, 600 ohm.	3198 018 90080
5205	Inductor, 100MHz, 600 ohm.	3198 018 90080
5400	Coil, 33u.	3198 018 73390
S 5410	Transformer, Driver, S16944.	2422 531 02447
5411	Coil, 560n	2422 535 95339
5421	Coil, 4u0.	2422 536 00413
5422	Bridge Coil, W7132-004	2422 531 02357
5426	Coil, 2u4.	2422 535 95097
S 5430	Line Output Transformer.	2422 531 02601
5461	Ferrite Bead, 100MHz	3198 018 90020
5463	Ferrite Bead, 100MHz	3198 018 90020
5465	Ferrite Bead, 100MHz	3198 018 90020
5466	Coil, 10u.	3198 018 71090
5467	Ferrite Bead, 100MHz	3198 018 90020
5468	Coil, 22u.	3198 018 72290
5469	Coil, 18u.	3198 018 11890
5494	Coil, 68u.	2422 535 94095
S 5503	Mains Filter	2422 549 44362
5505	Ferrite Bead, 100MHz	3198 018 90020
S 5506	Supply Transformer	2422 531 98042
5507	Ferrite Bead, 100MHz	3198 018 90020
5508	Ferrite Bead, 100MHz	3198 018 90020
5510	Ferrite Bead, 100MHz	3198 018 90020
5620	Coil, 90n.	2422 535 95444
6103	Diode, Rect, BYD33D	9337 234 00133
6105	Zener Diode, 15 volt	3198 010 21590
6106	Zener Diode, 24 volt	9331 669 60133
6108	Diode, BAT85	9336 247 60133
6110	Diode, BAT85	9336 247 60133
6111	Diode, Rect, SB360L-7024.	9322 161 78682
6120	Diode, 1N4148.	3198 010 10010
6121	Diode, 1N4148.	3198 010 10010
6122	Zener Diode, 3.9 volt.	3198 010 53980
6124	Diode, BAT85	9336 247 60133
6200	Zener Diode, 33 volt	3198 020 53390
6204	Zener Diode, 6.8 volt.	3198 020 56880
6205	Zener Diode, 6.8 volt.	3198 020 56880
6206	Zener Diode, 6.8 volt.	3198 020 56880
6207	Zener Diode, 6.8 volt.	3198 020 56880
6405	Zener Diode, 33 volt	3198 020 53390
6406	Diode, BAS316.	3198 010 10630
6407	Diode, BAS316.	3198 010 10630
6408	Diode, Rect, BYD33D	9337 234 00133

S = Safety Part   Be sure to use exact replacement part.

32PT740H37A (continued)

	6421	Diode, Rect, BY359X-1500	9340 303 30127
	6422	Diode, Rect, BY229X-600	9340 380 20127
	6436	Diode, Rect, BYD33J	9337 234 20133
	6437	Diode, Rect, BYD33J	9337 234 20133
	6440	Diode, BAS316	3198 010 10630
	6441	Diode, BAS316	3198 010 10630
	6442	Zener Diode, 15 volt	3198 020 51590
	6451	Diode, BAS316	3198 010 10630
	6452	Diode, BAS316	3198 010 10630
	6453	Diode, BAS316	3198 010 10630
	6454	Zener Diode, 15 volt	3198 020 51590
	6456	Zener Diode, 7.5 volt	9322 178 25685
	6461	Diode, Rect, BYV29X-500	9340 555 59127
	6463	Diode, Rect, BYV29X-500	9340 555 59127
	6465	Diode, Rect, BYV29X-500	9340 555 59127
	6468	Diode, Rect, BYD33D	9337 234 00133
	6480	Diode, Rect, BYD33D	9337 234 00133
	6481	Zener Diode, 18 volt	3198 010 21890
	6482	Diode, BAS316	3198 010 10630
	6492	Diode, BAS316	3198 010 10630
	6493	Zener Diode, 47 volt	9340 389 00115
	6499	Zener Diode, 6.8 volt	3198 020 56880
	6505	Zener Diode, 15 volt	3198 010 21590
	6506	Diode, 1N4148	3198 010 10010
	6507	Diode, Rect, BYV28-200/24	9340 550 66112
	6508	Diode, Rect, BYV28-400/20	9340 549 39112
	6510	Zener Diode, 15 volt	3198 010 51590
	6511	Diode, BAS316	3198 010 10630
	6512	Diode, BAS316	3198 010 10630
	6513	Diode, Bridge Rect, REC GBU4K	3198 010 10640
	6514	Zener Diode, 200 volt	9336 018 20133
	6515	Zener Diode, 5.6 volt	9335 005 90133
	6516	Diode, BAS316	3198 010 10630
	6517	Diode, BAT85	9336 247 60133
	6518	Diode, BAS316	3198 010 10630
	6519	Diode, Rect, BYD33D	9337 234 00133
	6600	Diode, 1N4148	3198 010 10010
	6617	Diode, 1N4148	3198 010 10010
	6619	Diode, Rect, BYD33D	9337 234 00133
	6620	Diode, Rect, BYV27-200	9322 126 72673
	6623	Diode, BAS316	3198 010 10630
	6636	Diode, BAS316	3198 010 10630
	6637	Diode, BAS316	3198 010 10630
	6660	Diode, BAT85	9336 247 60133
	6665	Diode, BAS316	3198 010 10630
	6731	Diode, BAS316	3198 010 10630
	6732	Diode, BAS316	3198 010 10630
	6900	Diode, BAS316	3198 010 10630
	6901	Diode, 1PS76SB10	9340 453 90115
	6902	Diode, 1PS76SB10	9340 453 90115
	6903	Diode, 1PS76SB10	9340 453 90115
	6904	Diode, 1N4148	3198 010 10010
	7100	Transistor, PNP, BC557B(COL)	3198 020 40110
	7101	Transistor, NPN, BC547B(COL)	3198 020 40030
	7102	Power FET, STP3NB60FP	9322 129 71687
S	7104	Optical Coupler, TCDT1102G	9319 002 76682
	7228	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
	7407	Transistor, NPN, BC847B(COL)	3198 010 42030
	7408	Transistor, NPN, BC368	9332 592 40126
	7409	Transistor, NPN, BC847B(COL)	3198 010 42030
	7421	Transistor, NPN, BU2527DX	9340 496 80127
	7440	IC, LM358N	9339 848 90682
	7441	Transistor, NPN, BC547B(COL)	3198 020 40030
	7442	Transistor, PNP, BC557B(COL)	3198 020 40110
	7452	Transistor, NPN, BC847B(COL)	3198 010 42030
	7480	Power FET, STP3NB60FP	9322 129 71687
	7481	Transistor, PNP, BC557B(COL)	3198 020 40110
S	7482	Optical Coupler, TCDT1102G	9319 002 76682
	7501	Transistor, PNP, BC857B(COL)	3198 010 42150
	7502	Transistor, NPN, BF487	9337 626 60126
	7504	Power FET, STP5NB40	9322 174 85687
	7505	Transistor, PNP, BC857B(COL)	3198 010 42150
	7506	IC TL431ACZ-AP S (ST00) A	9322 086 97676
	7510	Transistor, NPN, BC847B(COL)	3198 010 42030
	7528	Transistor, NPN, BC337-25(COL)	3198 020 43530
	7529	Transistor, NPN, BC847B(COL)	3198 010 42030
	7600	Transistor, NPN, BC546B	9332 377 80126
	7602	Transistor, NPN, BC847B(COL)	3198 010 42030
	7603	Transistor, PNP, BC857B(COL)	3198 010 42150
	7605	Transistor, NPN, BC847B(COL)	3198 010 42030
	7606	Transistor, NPN, BC847B(COL)	3198 010 42030
S	7610	Optical Coupler, TCDT1102G	9319 002 76682
S	7613	Optical Coupler, TCDT1102G	9319 002 76682
	7620	IC, TDA8177	9322 066 43687
	7640	Transistor, NPN, BC847B(COL)	3198 010 42030
	7641	Transistor, NPN, BC847B(COL)	3198 010 42030
	7652	Transistor, NPN, BC847B(COL)	3198 010 42030
	7653	Transistor, NPN, BC847B(COL)	3198 010 42030
	7654	Transistor, PNP, BC857B(COL)	3198 010 42150
	7655	Transistor, NPN, BC847B(COL)	3198 010 42030
	7702	Transistor, NPN, BC847B(COL)	3198 010 42030
	7720	Transistor, NPN, BC847B(COL)	3198 010 42030

7721	Transistor, NPN, BC847B(COL)	3198 010 42030
7722	Transistor, PNP, BC857B(COL)	3198 010 42150
7723	Transistor, PNP, BC857B(COL)	3198 010 42150
7724	Transistor, NPN, BC847B(COL)	3198 010 42030
7725	Transistor, NPN, BC847B(COL)	3198 010 42030
7730	Transistor, NPN, BC847B(COL)	3198 010 42030
7731	Transistor, PNP, BC857B(COL)	3198 010 42150
7732	Transistor, NPN, BC847B(COL)	3198 010 42030
7750	IC, TDA2616	9350 403 20112
7901	Transistor, NPN, BC547B(COL)	3198 020 40030
7902	Transistor, NPN, BC337-25(COL)	3198 020 43530
7905	Transistor, NPN, BC368	9332 592 40126
7906	IC, L4940V85	9322 005 46687
7907	Transistor, NPN, BC847B(COL)	3198 010 42030
7908	Transistor, PNP, BC857B(COL)	3198 010 42150
7909	Transistor, PNP, BC857B(COL)	3198 010 42150
8203	Cable, 4 Pin, 340mm	3104 311 05481
8204	Cable, 6 Pin, 220mm	3104 311 05471
8324	Cable, 7 Pin, 560mm	3104 311 05411
8340	Cable, 11 Pin 480mm	3104 311 05431
8924	Cable, 5 Pin, 280mm	3104 311 02511
8936	Cable, 11 Pin, 820mm	3104 311 01181
8951	Cable, 5 Pin, 340mm	3104 311 03491
9101	Wire Jumper	3198 036 90010
9102	Wire Jumper	3198 036 90010
9113	Wire Jumper	3198 036 90010
9203	Wire Jumper	3198 036 90010
9204	Wire Jumper	3198 036 90010
9206	Wire Jumper	3198 036 90010
9210	Wire Jumper	3198 036 90010
9212	Wire Jumper	3198 036 90010
9217	Wire Jumper	3198 036 90010
9219	Wire Jumper	3198 036 90010
9221	Wire Jumper	3198 036 90010
9222	Wire Jumper	3198 036 90010
9224	Wire Jumper	3198 036 90010
9226	Wire Jumper	3198 036 90010
9228	Wire Jumper	3198 036 90010
9229	Wire Jumper	3198 036 90010
9230	Wire Jumper	3198 036 90010
9231	Wire Jumper	3198 036 90010
9232	Wire Jumper	3198 036 90010
9302	Wire Jumper	3198 036 90010
9401	Wire Jumper	3198 036 90010
9402	Wire Jumper	3198 036 90010
9403	Wire Jumper	3198 036 90010
9404	Wire Jumper	3198 036 90010
9405	Wire Jumper	3198 036 90010
9406	Wire Jumper	3198 036 90010
9407	Wire Jumper	3198 036 90010
9412	Wire Jumper	3198 036 90010
9414	Wire Jumper	3198 036 90010
9418	Wire Jumper	3198 036 90010
9419	Wire Jumper	3198 036 90010
9421	Wire Jumper	3198 036 90010
9423	Wire Jumper	3198 036 90010
9424	Wire Jumper	3198 036 90010
9425	Wire Jumper	3198 036 90010
9428	Wire Jumper	3198 036 90010
9429	Wire Jumper	3198 036 90010
9430	Wire Jumper	3198 036 90010
9431	Wire Jumper	3198 036 90010
9435	Wire Jumper	3198 036 90010
9436	Wire Jumper	3198 036 90010
9466	Wire Jumper	3198 036 90010
9505	Wire Jumper	3198 036 90010
9510	Wire Jumper	3198 036 90010
9512	Wire Jumper	3198 036 90010
9513	Wire Jumper	3198 036 90010
9515	Wire Jumper	3198 036 90010
9516	Wire Jumper	3198 036 90010
9518	Wire Jumper	3198 036 90010
9519	Wire Jumper	3198 036 90010
9520	Wire Jumper	3198 036 90010
9523	Wire Jumper	3198 036 90010
9524	Wire Jumper	3198 036 90010
9525	Wire Jumper	3198 036 90010
9528	Wire Jumper	3198 036 90010
9622	Wire Jumper	3198 036 90010
9623	Wire Jumper	3198 036 90010
9624	Wire Jumper	3198 036 90010
9705	Wire Jumper	3198 036 90010
9706	Wire Jumper	3198 036 90010
9707	Wire Jumper	3198 036 90010
9712	Wire Jumper	3198 036 90010
9713	Wire Jumper	3198 036 90010
9714	Wire Jumper	3198 036 90010
9715	Wire Jumper	3198 036 90010
9718	Wire Jumper	3198 036 90010
9720	Wire Jumper	3198 036 90010
9721	Wire Jumper	3198 036 90010
9723	Wire Jumper	3198 036 90010

S = Safety Part   Be sure to use exact replacement part.

9724	Wire Jumper.	3198 036 90010
9726	Wire Jumper.	3198 036 90010
9901	Wire Jumper.	3198 036 90010
9902	Wire Jumper.	3198 036 90010
9903	Wire Jumper.	3198 036 90010
9904	Wire Jumper.	3198 036 90010
9906	Wire Jumper.	3198 036 90010
9907	Wire Jumper.	3198 036 90010
9908	Wire Jumper.	3198 036 90010
9909	Wire Jumper.	3198 036 90010
9910	Wire Jumper.	3198 036 90010
9911	Wire Jumper.	3198 036 90010
9912	Wire Jumper.	3198 036 90010
9914	Wire Jumper.	3198 036 90010
9916	Wire Jumper.	3198 036 90010
9917	Wire Jumper.	3198 036 90010
9920	Wire Jumper.	3198 036 90010
9921	Wire Jumper.	3198 036 90010
9922	Wire Jumper.	3198 036 90010
9925	Wire Jumper.	3198 036 90010
9926	Wire Jumper.	3198 036 90010
9927	Wire Jumper.	3198 036 90010
9928	Wire Jumper.	3198 036 90010
9931	Wire Jumper.	3198 036 90010
9932	Wire Jumper.	3198 036 90010
9933	Wire Jumper.	3198 036 90010
9934	Wire Jumper.	3198 036 90010
9936	Wire Jumper.	3198 036 90010
9943	Wire Jumper.	3198 036 90010
9944	Wire Jumper.	3198 036 90010
9945	Wire Jumper.	3198 036 90010
9946	Wire Jumper.	3198 036 90010
9947	Wire Jumper.	3198 036 90010
9948	Wire Jumper.	3198 036 90010
9950	Wire Jumper.	3198 036 90010
9951	Wire Jumper.	3198 036 90010
9952	Wire Jumper.	3198 036 90010
9957	Wire Jumper.	3198 036 90010
9958	Wire Jumper.	3198 036 90010
9960	Wire Jumper.	3198 036 90010
9963	Wire Jumper.	3198 036 90010
9964	Wire Jumper.	3198 036 90010
9965	Wire Jumper.	3198 036 90010
9966	Wire Jumper.	3198 036 90010
9967	Wire Jumper.	3198 036 90010
9968	Wire Jumper.	3198 036 90010
9969	Wire Jumper.	3198 036 90010
9970	Wire Jumper.	3198 036 90010
9971	Wire Jumper.	3198 036 90010
9972	Wire Jumper.	3198 036 90010
9975	Wire Jumper.	3198 036 90010
9976	Wire Jumper.	3198 036 90010
9980	Wire Jumper.	3198 036 90010
9983	Wire Jumper.	3198 036 90010
9984	Wire Jumper.	3198 036 90010
9987	Wire Jumper.	3198 036 90010
9988	Wire Jumper.	3198 036 90010
9990	Wire Jumper.	3198 036 90010
9991	Wire Jumper.	3198 036 90010
9992	Wire Jumper.	3198 036 90010
9993	Wire Jumper.	3198 036 90010
9996	Wire Jumper.	3198 036 90010
9997	Wire Jumper.	3198 036 90010
9998	Wire Jumper.	3198 036 90010

Small Signal Board

	Small Signal Board	
CBA	Small Signal Board	3104 328 25231
0302	2 Pin Board Connector.	2422 025 16542
0601	IC, ROM, SAA5677	3104 317 04461
1001	Crystal, 12MHz	2422 543 89018
S 1003	Fuse, F315MA, 32V.	2422 086 11013
1301	Crystal, 12MHz	2422 540 98456
1303	5 Pin Board Connector.	2422 025 16966
1304	7 Pin Board Connector.	2422 025 17104
1318	Crystal, 3.579545MHz	2422 543 00861
1407	Filter, 4.5MHz	2422 549 44043
1408	SAW Filter, 45.75MHz	2422 549 44377
1410	Filter, 4.5MHz	2422 549 44534
1651	Crystal, 18.432MHz	2422 543 89019
1680	6 Pin Board Connector.	2422 025 16961
1701	Crystal, 12MHz	2422 543 89018
2001	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390
2002	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390
2003	Cap, 2n2, 10%, 50v, Ceramic.	3198 017 32220
2004	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2006	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2007	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2008	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2009	Cap, 470p, 5%, 50v, Ceramic.	3198 016 34710
2010	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790

2011	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2012	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2013	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2014	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2015	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2016	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2017	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2020	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2300	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2302	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2303	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2304	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2305	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2306	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2307	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2308	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2313	Cap, 100n, 5%, 16v, Polypropylene. . .	2020 319 90005
2314	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2315	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2317	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2318	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2319	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2320	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2321	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2322	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2323	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2324	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2328	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2329	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2330	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2331	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2332	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2333	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2334	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2335	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2336	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2338	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2339	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
2340	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
2341	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2342	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2343	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 41040
2350	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2351	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2352	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2356	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2357	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2358	Cap, 3n3, 10%, 50v, Ceramic.	3198 017 33320
2361	Cap, 1p2, 21%, 50v, Ceramic.	3198 016 31280
2362	Cap, 12p, 5%, 50v, Ceramic	3198 016 31290
2363	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2365	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2366	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2367	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2368	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2369	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2370	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2371	Cap, 4n7, 10%, 50v, Ceramic.	3198 017 34720
2372	Cap, 1u, +80/-20%, 16v, Ceramic. . . .	3198 017 21050
2373	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2374	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2375	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2376	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2377	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2378	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2384	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2395	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2396	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2397	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2401	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2410	Cap, 470n, 10%, 16v, Ceramic	2222 780 15658
2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2412	Cap, 4n7, 10%, 50v, Ceramic.	3198 017 34720
2413	Cap, 47u, 20%, 16v, Electrolytic . . .	3198 030 44790
2418	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2420	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2422	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2429	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2501	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2502	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2503	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2504	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2505	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2506	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2507	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2508	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2510	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090

32PT740H37A (continued)

	2511	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
	2512	Cap, 470n, +80/-20%, 10v, Ceramic. . .	3198 017 44740
	2550	Cap, 330p, 10%, 50v, Ceramic	3198 017 33310
	2552	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2553	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2554	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2555	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2562	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2563	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2564	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2565	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2566	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2567	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2568	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2569	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2570	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2571	Cap, 100p, 5%, 50v, Ceramic.	3198 016 31010
	2574	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2575	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2576	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2577	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2578	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2579	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2584	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2585	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2586	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2591	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
	2593	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2594	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2595	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2609	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2610	Cap, 2n2, 10%, 50v, Ceramic.	3198 017 32220
	2611	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2634	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2640	Cap, 220n, +80/-20%, 16v, Ceramic. . .	3198 017 42240
	2643	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
	2644	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2645	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
	2646	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
	2649	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
	2651	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2652	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
	2653	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
	2654	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2659	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2660	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2661	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
	2662	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
	2663	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2664	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2665	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
	2666	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
	2667	Cap, 3p3, 8%, 50v, Ceramic	3198 016 33380
	2668	Cap, 3p3, 8%, 50v, Ceramic	3198 016 33380
	2670	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2673	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2674	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2677	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
	2678	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
	2679	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2680	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
	2681	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2682	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
	2686	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2687	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2693	Cap, 220p, 5%, 50v, Ceramic.	3198 016 32210
	2694	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2695	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
	2702	Cap, 10u, 20%, 16v, Electrolytic . . .	2020 021 91556
	2704	Cap, 10u, 20%, 16v, Electrolytic . . .	2020 021 91556
	2706	Cap, 100u, 20%, 16v, Electrolytic. . .	2020 021 91555
	2708	Cap, 10u, 20%, 16v, Electrolytic . . .	2020 021 91556
	2709	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2710	Cap, 10u, 20%, 16v, Electrolytic . . .	2020 021 91556
	2712	Cap, 10u, 20%, 16v, Electrolytic . . .	2020 021 91556
	2713	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2728	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2729	Cap, 56p, 5%, 50v, Ceramic	3198 016 35690
	2730	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
	2731	Cap, 100p, 5%, 50v, Ceramic.	3198 016 31010
	2733	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
	2738	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
	2743	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
	2747	Cap, 18p, 5%, 50v, Ceramic	3198 016 31890
	2748	Cap, 18p, 5%, 50v, Ceramic	3198 016 31890
	2755	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2756	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2758	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2759	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2760	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2761	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2762	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2763	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2764	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2765	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2766	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2767	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2770	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2771	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2772	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2773	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
	2774	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2776	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2785	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2786	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2788	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2790	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2792	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2795	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2796	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2798	Cap, 680p, 5%, 25v, Ceramic.	3198 016 36810
	2799	Cap, 10u, 20%, 16v, Electrolytic . . .	2020 021 91556
	2908	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2909	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2910	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2911	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2912	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	3001	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3002	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3003	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
	3004	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
	3005	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
	3006	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3007	Res, 1K5, 5%, 1/16W, Metalized Glass .	3198 021 31520
	3008	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3009	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3010	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3011	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3012	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3013	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3014	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3015	Res, 470K, 5%, 1/16W, Metalized Glass.	3198 021 34740
	3016	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3017	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3018	Res, 24K, 1%, 1/16W, Metalized Glass .	2322 704 62403
	3019	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3021	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3026	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3027	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3028	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3029	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3030	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3031	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3032	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3033	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3034	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3035	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3039	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3040	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3041	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3042	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3043	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3044	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3045	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3048	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3049	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3050	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3051	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3052	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3053	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3056	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3057	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3058	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3059	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3060	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
	3061	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3062	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3063	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3064	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3065	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
S	3070	Res, 1R5, 5%, 1/8W, Metalized Glass. .	2322 750 61508
S	3071	Res, 1R5, 5%, 1/8W, Metalized Glass. .	2322 750 61508
	3074	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
S	3300	Res, 3R9, 5%, 1/8W, Metalized Glass. .	2322 750 63908
	3301	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3302	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
S	3304	Res, 3R9, 5%, 1/8W, Metalized Glass. .	2322 750 63908
	3305	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3306	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3307	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3308	Res, 680K, 5%, 1/16W, Metalized Glass.	3198 021 36840
	3310	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3311	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3312	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510

S = Safety Part   Be sure to use exact replacement part.

32PT740H37A (continued)

	3313	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3314	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3315	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3316	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3317	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3318	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3319	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3320	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3321	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3322	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3324	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3327	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3328	Res, 39K, 5%, 1/16W, Metalized Glass .	3198 021 33930
S	3329	Res, 6R8, 5%, 1/8W, Metalized Glass. .	2322 750 66808
	3330	Res, 3K3, 5%, 1/16W, Metalized Glass .	3198 021 33320
	3331	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3332	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3333	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3335	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3336	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3337	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3338	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3340	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3341	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3342	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3343	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3344	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3345	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3346	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3347	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3348	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3350	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3351	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3352	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3353	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3354	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3355	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3358	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3359	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3360	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3362	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3363	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3364	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3365	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3366	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3367	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3370	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3371	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
	3372	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3373	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3374	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3375	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3376	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3377	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3378	Res, 15K, 5%, 1/16W, Metalized Glass .	3198 021 31530
	3382	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3384	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3385	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3386	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3387	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3388	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3389	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3390	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3391	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3393	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3394	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3395	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3396	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3397	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3398	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S	3400	Res, 4R7, 5%, 1/8W, Metalized Glass. .	2322 750 64708
	3401	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3402	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3403	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3405	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3415	Res, 8K2, 5%, 1/16W, Metalized Glass .	3198 021 38220
S	3416	Res, 6R8, 5%, 1/8W, Metalized Glass. .	2322 750 66808
	3418	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3419	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
	3420	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3436	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3437	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3441	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3446	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3456	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3457	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3458	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3459	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3460	Res, 3K3, 5%, 1/16W, Metalized Glass .	3198 021 33320
	3461	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3462	Res, 1K2, 5%, 1/16W, Metalized Glass .	3198 021 31220
	3463	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3465	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3467	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3469	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3470	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3519	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3521	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3522	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3523	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3524	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3525	Res, 680K, 5%, 1/16W, Metalized Glass.	3198 021 36840
	3526	Res, 1M, 5%, 1/16W, Metalized Glass. .	3198 021 31050
	3527	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3529	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3530	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3531	Res, 8K2, 5%, 1/16W, Metalized Glass .	3198 021 38220
	3532	Res, 27K, 5%, 1/16W, Metalized Glass .	3198 021 32730
	3546	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3550	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3558	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3559	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3560	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3561	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3562	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3563	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3564	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3565	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3566	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3567	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3570	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3571	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3572	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3574	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3576	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
	3636	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3637	Res, 56K, 5%, 1/16W, Metalized Glass .	3198 021 35630
	3642	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3643	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S	3644	Res, 4R7, 5%, 1/8W, Metalized Glass. .	2322 750 64708
	3651	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3652	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3653	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3654	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3655	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3656	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3657	Res, 82K, 5%, 1/16W, Metalized Glass .	3198 021 38230
	3658	Res, 150K, 5%, 1/16W, Metalized Glass.	3198 021 31540
	3666	Res, 150K, 5%, 1/16W, Metalized Glass.	3198 021 31540
	3667	Res, 56K, 5%, 1/16W, Metalized Glass .	3198 021 35630
	3668	Res, 82K, 5%, 1/16W, Metalized Glass .	3198 021 38230
	3669	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3670	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3671	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3684	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3685	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3686	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3687	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3688	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3689	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3690	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3691	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3692	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3693	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3694	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3695	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3698	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3702	Res, 22 ohm, 5%, 1/16W, Metalized Glass	3198 021 32290
	3703	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3705	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3706	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3707	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3708	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
	3709	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3710	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3711	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3714	Res, 22 ohm, 5%, 1/16W, Metalized Glass	3198 021 32290
	3716	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3717	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3718	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3725	Res, 1M, 5%, 1/16W, Metalized Glass. .	3198 021 31050
	3728	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3731	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3732	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3733	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3739	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3740	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3741	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3744	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3745	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3746	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3747	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
	3748	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
	3749	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890

S = Safety Part   Be sure to use exact replacement part.

32PT740H37A (continued)

3754	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3755	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3757	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3759	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3790	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3791	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3792	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3793	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3794	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3795	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3796	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3797	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3900	Inductor, 100MHz, 600 ohm.	3198 018 90040
3901	Inductor, 100MHz, 600 ohm.	3198 018 90040
3902	Inductor, 100MHz, 600 ohm.	3198 018 90040
3903	Inductor, 100MHz, 600 ohm.	3198 018 90040
3904	Inductor, 100MHz, 600 ohm.	3198 018 90040
3905	Inductor, 100MHz, 600 ohm.	3198 018 90040
3906	Inductor, 100MHz, 600 ohm.	3198 018 90040
3907	Inductor, 100MHz, 600 ohm.	3198 018 90040
3908	Inductor, 100MHz, 600 ohm.	3198 018 90040
3909	Inductor, 100MHz, 600 ohm.	3198 018 90040
3910	Inductor, 100MHz, 600 ohm.	3198 018 90040
3911	Inductor, 100MHz, 600 ohm.	3198 018 90040
4302	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4303	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4304	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4322	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4326	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4369	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4401	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4406	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4407	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4409	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4520	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4522	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4603	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4604	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4607	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4608	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4609	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4610	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4611	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4613	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4632	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4633	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4642	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4645	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4652	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4682	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4683	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4684	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4685	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4686	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4687	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4688	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4689	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4712	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4713	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4714	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4715	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4716	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4717	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4723	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4724	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4726	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4732	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4734	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4792	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4793	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4901	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4902	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4903	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4904	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4905	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4906	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4907	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4908	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4909	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4919	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4920	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4921	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4925	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4927	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4928	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4929	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4935	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4937	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4938	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4939	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4944	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4945	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4946	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4947	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4948	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4949	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4950	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4951	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4952	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4953	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4954	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5301	Coil, 6u8.	3198 018 36880
5302	Coil, 6u8.	3198 018 36880
5303	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5304	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5305	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5306	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5307	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5308	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5309	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5401	Coil, 390n	3198 018 33970
5406	Coil, 15u.	3198 018 31590
5407	Ferrite Bead, 100MHz	2422 535 95427
5408	Variable Coil.	2422 549 44875
5409	Ferrite Bead, 100MHz	2422 535 95427
5410	Coil, 1u	3198 018 51080
5412	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5413	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5414	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5651	Ferrite Bead, 100MHz	2422 549 43769
5652	Ferrite Bead, 100MHz	2422 549 43769
5653	Ferrite Bead, 100MHz	2422 549 43769
5654	Inductor, 100MHz, 30 ohm	3198 018 90060
5656	Coil, 6u8.	3198 018 36880
5663	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5664	Inductor, 100MHz, 30 ohm	3198 018 90060
5665	Inductor, 100MHz, 30 ohm	3198 018 90060
5701	Inductor, 100MHz, 600 ohm.	3198 018 90080
5702	Ferrite Bead, 100MHz	2422 535 95427
5703	Inductor, 100MHz, 30 ohm	3198 018 90060
5705	Ferrite Bead, 100MHz	2422 535 95427
5706	Coil, 5u6.	3198 018 35680
5707	Inductor, 100MHz, 600 ohm.	3198 018 90040
5711	Inductor, 100MHz, 600 ohm.	3198 018 90040
5713	Inductor, 100MHz, 600 ohm.	3198 018 90040
5718	Coil, 330n	3198 018 33370
5720	Inductor, 100MHz, 600 ohm.	3198 018 90040
5798	Inductor, 100MHz, 30 ohm	3198 018 90060
5799	Inductor, 100MHz, 30 ohm	3198 018 90060
5900	Inductor, 100MHz, 30 ohm	3198 018 90060
5901	Inductor, 100MHz, 30 ohm	3198 018 90060
5902	Inductor, 100MHz, 30 ohm	3198 018 90060
5903	Inductor, 100MHz, 30 ohm	3198 018 90060
5904	Inductor, 100MHz, 30 ohm	3198 018 90060
6003	Diode, BAS316.	3198 010 10630
6303	Zener Diode, 47 volt	9340 389 00115
6304	Diode, BAS316.	3198 010 10630
6306	Zener Diode, 5.6 volt.	3198 020 55680
6307	Diode, 1PS76SB10	9340 453 90115
6309	Diode, BAS316.	3198 010 10630
6310	Zener Diode, 6.8 volt.	3198 020 56880
6311	Zener Diode, 22 volt	3198 020 52290
6312	Diode, BAS316.	3198 010 10630
6313	Zener Diode, 22 volt	3198 020 52290
6314	Diode, BAS316.	3198 010 10630
6315	Diode, BAS316.	3198 010 10630
6316	Diode, BAS316.	3198 010 10630
6317	Diode, BAS316.	3198 010 10630
6319	Diode, BAS316.	3198 010 10630
6652	Zener Diode, 10 volt	3198 020 51090
6654	Diode, BAS316.	3198 010 10630
6657	Zener Diode, 2.7 volt.	9340 548 43115
6658	Diode, BAS316.	3198 010 10630
7001	IC, SAA5677/HL/M1.	9352 692 99557
7002	Transistor, PNP, BC857B(COL)	3198 010 42150
7003	Transistor, NPN, BC847BW(COL).	3198 010 42310
7004	Transistor, NPN, BC847BW(COL).	3198 010 42310
7005	IC, LD1117D33.	9322 116 74668
7006	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7007	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7009	IC, LD1117D33.	9322 116 74668
7012	IC, M24C32	9322 124 74668
7013	Transistor, NPN, PDTC144EU	3198 010 44330
7301	IC, TDA9330H/N3.	9352 681 65518
7303	Transistor, NPN, BC857BW(COL).	3198 010 42320
7304	Transistor, NPN, PDTC144EU	3198 010 44330
7305	Transistor, NPN, BC847BW(COL).	3198 010 42310
7306	Transistor, NPN, BC847BW(COL).	3198 010 42310
7308	Transistor, NPN, PDTC144EU	3198 010 44330
7309	Transistor, NPN, PDTC144EU	3198 010 44330
7310	Transistor, NPN, PDTC144EU	3198 010 44330
7311	Transistor, NPN, BC847BW(COL).	3198 010 42310
7312	Transistor, NPN, BC847BW(COL).	3198 010 42310
7313	Transistor, NPN, PMBT2369(UAW)	3198 010 43360

S = Safety Part   Be sure to use exact replacement part.

32PT740H37A (continued)

7314	Transistor, NPN, BC847BW(COL).	3198 010 42310
7315	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7318	Transistor, NPN, BC857BW(COL).	3198 010 42320
7320	Transistor, NPN, BC847BW(COL).	3198 010 42310
7322	Transistor, NPN, BC847BW(COL).	3198 010 42310
7323	IC, TDA9321H/N2.	9352 625 24518
7324	Transistor, NPN, BC847CW	9340 217 80115
7375	Transistor, NPN, BC847BW(COL).	3198 010 42310
7410	Transistor, NPN, BC847BW(COL).	3198 010 42310
7411	Transistor, NPN, BC847B(COL)	3198 010 42030
7413	Transistor, NPN, BFS20	9330 921 11215
7651	IC, MSP3421G-FH-B8V3	9322 183 23671
7664	Transistor, NPN, BC847BPN.	9340 425 30115
7665	Transistor, NPN, BC847BPN.	9340 425 30115
7668	Transistor, NPN, BC857BW(COL).	3198 010 42320
7675	Transistor, NPN, BC847BS	9340 425 20115
7678	Transistor, NPN, BC847BS	9340 425 20115
7701	Transistor, NPN, BC857BW(COL).	3198 010 42320
7702	Transistor, NPN, BC847BW(COL).	3198 010 42310
7704	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7708	IC, SAA4990H	9352 067 50557
7709	IC, SAA4978H/V204.	9352 688 09557
7714	IC, MSM54V12222B-25JS.	9322 183 81668
7715	IC, MSM54V12222B-25JS.	9322 183 81668
7716	32 Pin IC Socket	2422 486 80938
7716	IC, M87C257-90C1	9322 130 45668
7717	IC, ROM, M87C257	3104 317 03241
7799	Software Package, FBX PICNIC	3104 317 43241
8302	Cable, 2 Pin, 180mm.	3104 311 03031
8303	Cable, 5 Pin, 400mm.	3104 311 05381
8304	Cable, 7 Pin, 280mm.	3104 311 03241
8680	Cable, 6 Pin, 340mm.	3104 311 03231

3D Comb Filter

	3D Comb Filter	
CBA	3D Comb Filter	3135 037 10301
1001	Crystal, 20MHz	2422 543 01273
1104	5 Pin Board Connector.	2422 025 15848
1303	6 Pin Board Connector.	2422 025 10428
1951	5 Pin Board Connector.	2422 025 15848
2000	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2001	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2002	Cap, 47u, 20%, 20v, Electrolytic . . .	3198 032 58170
2003	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2004	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2006	Cap, 47u, 20%, 20v, Electrolytic . . .	3198 032 58170
2008	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2009	Cap, 1u, 20%, 50v, Electrolytic. . . .	3198 030 81080
2010	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2011	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2012	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2013	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2014	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2015	Cap, 10u, 20%, 20v, Electrolytic . . .	3198 032 55130
2016	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2017	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2018	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2019	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2020	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2021	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2022	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2023	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2024	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2026	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2029	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2032	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2033	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2034	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2035	Cap, 10u, 20%, 20v, Electrolytic . . .	3198 032 55130
2036	Cap, 1u, 20%, 50v, Electrolytic. . . .	3198 030 81080
2037	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2041	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2042	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2043	Cap, 47u, 20%, 16v, Electrolytic . . .	3198 030 44790
2044	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2045	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2046	Cap, 47u, 20%, 16v, Electrolytic . . .	3198 030 44790
2047	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2048	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2049	Cap, 47u, 20%, 16v, Electrolytic . . .	3198 030 44790
2051	Cap, 10u, 20%, 20v, Electrolytic . . .	3198 032 55130
2052	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2053	Cap, 10u, 20%, 20v, Electrolytic . . .	3198 032 55130
2054	Cap, 10u, 20%, 20v, Electrolytic . . .	3198 032 55130
2055	Cap, 10u, 20%, 20v, Electrolytic . . .	3198 032 55130
2056	Cap, 10u, 20%, 20v, Electrolytic . . .	3198 032 55130
2057	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2059	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2061	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2062	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2063	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2064	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2065	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2066	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2067	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2068	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2069	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2070	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
3000	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3001	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3002	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3003	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3004	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3005	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3006	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3007	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3008	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3009	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3010	Res, 5K6, 5%, 1/16W, Metalized Glass .	3198 021 35620
3011	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3012	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3013	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
3014	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3015	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3016	Res, 33 ohm, 5%, 1/16W, Metalized Glass	3198 021 33390
3017	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
3018	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3019	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3020	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3021	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3022	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3023	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3024	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3025	Res, 5K6, 5%, 1/16W, Metalized Glass .	3198 021 35620
3026	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3027	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3028	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
3029	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3030	Res, 820 ohm, 5%, 1/16W, Metalized Glas	3198 021 38210
3031	Res, 12K, 5%, 1/16W, Metalized Glass .	3198 021 31230
3032	Res, 12K, 5%, 1/16W, Metalized Glass .	3198 021 31230
3033	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3034	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3035	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3036	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
3037	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3038	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3039	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3040	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3041	Res, 820 ohm, 5%, 1/16W, Metalized Glas	3198 021 38210
3042	Res, 3K3, 1%, 1/16W, Metalized Glass .	2322 704 73302
3043	Res, 1K5, 5%, 1/16W, Metalized Glass .	3198 021 31520
3044	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3055	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3056	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3057	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
3058	Res, 220K, 5%, 1/16W, Metalized Glass.	3198 021 32240
3059	Res, 27K, 5%, 1/16W, Metalized Glass .	3198 021 32730
3060	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3061	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
3065	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3067	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3068	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3069	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
3071	Res, 1K5, 5%, 1/16W, Metalized Glass .	3198 021 31520
3072	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
3073	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3074	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3076	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3077	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3082	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3083	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3085	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3088	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3089	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3091	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3095	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
3096	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3097	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
3098	Res, 5K6, 5%, 1/16W, Metalized Glass .	3198 021 35620
3099	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3100	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3101	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3102	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S 3103	Res, PTC, Overload Protection.	2122 662 00139
S 3104	Res, PTC, Overload Protection.	2122 662 00139
3105	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
5000	Coil, 100MHz, 120 ohm.	3198 018 90070
5001	Coil, 100MHz, 120 ohm.	3198 018 90070

S = Safety Part   Be sure to use exact replacement part.

5003	Filter, 14.3MHz.	2422 549 44784
5004	Filter, 14.3MHz.	2422 549 44784
5005	Coil, 10u.	3198 018 41090
5006	Filter, 14.3MHz.	2422 549 44785
5007	Coil, 10u.	3198 018 41090
5008	Coil, 22u.	3198 018 72290
5009	Coil, 22u.	3198 018 72290
5010	Coil, 15u.	2422 535 94758
5011	Coil, 100MHz, 120 ohm.	3198 018 90070
5012	Coil, 100MHz, 120 ohm.	3198 018 90070
5013	Coil, 100MHz, 120 ohm.	3198 018 90070
5014	Inductor, 100MHz, 30 ohm	3198 018 90060
5015	Inductor, 100MHz, 30 ohm	3198 018 90060
5017	Coil, 100MHz, 120 ohm.	3198 018 90070
5019	Coil, 10u.	3198 018 41090
5020	Coil, 10u.	3198 018 41090
5021	Coil, 100MHz, 120 ohm.	3198 018 90070
5022	Coil, 100MHz, 120 ohm.	3198 018 90070
5024	Coil, 100MHz, 120 ohm.	3198 018 90070
5025	Coil, 100MHz, 120 ohm.	3198 018 90070
5027	Coil, 100MHz, 120 ohm.	3198 018 90070
5028	Coil, 100MHz, 120 ohm.	3198 018 90070
5029	Coil, 100MHz, 120 ohm.	3198 018 90070
5030	Coil, 100MHz, 120 ohm.	3198 018 90070
6000	Diode, BAV99	3198 010 10620
6001	Diode, BAV99	3198 010 10620
6002	Diode, BAV99	3198 010 10620
6003	LED, TLMH3100.	9322 072 71685
6004	Diode, Rect, SM S1D	9322 128 69685
6005	Diode, Rect, SM S1D	9322 128 69685
6006	Diode, 1PS76SB10	9340 453 90115
6007	Diode, BAS17	9335 262 30215
7000	Transistor, NPN, BC847B.	9335 895 90215
7001	Transistor, PNP, BC857B.	9335 897 60215
7002	Transistor, NPN, BF570	9338 144 20215
7003	Transistor, PNP, BC857B.	9335 897 60215
7004	Transistor, NPN, BC847B.	9335 895 90215
7005	Transistor, PNP, BC857B.	9335 897 60215
7006	Transistor, NPN, BF570	9338 144 20215
7007	Transistor, PNP, BC857B.	9335 897 60215
7008	Transistor, NPN, BC847B.	9335 895 90215
7009	Transistor, PNP, BC857B.	9335 897 60215
7010	Transistor, NPN, BC847B.	9335 895 90215
7011	Transistor, NPN, BC847B.	9335 895 90215
7012	Transistor, PNP, BF550	9334 509 00215
7015	Transistor, NPN, BC847B.	9335 895 90215
7016	Transistor, PNP, BC857B.	9335 897 60215
7017	Transistor, NPN, BC847B.	9335 895 90215
7019	IC, LM809M3X	9322 163 48668
7020	Transistor, NPN, BC847B.	9335 895 90215
7021	IC, LD1117DT33	9322 134 45668
7022	IC, LD1117DT25	9322 160 50668
7023	IC, UPD64083GF	9322 170 65671

Side A/V Panel

Side A/V Panel

CBA	Side A/V Panel	3139 137 29041
0240	11 Pin Board Connector	2422 025 12485
1254	Headphone Jack	2422 026 04747
1255	3 Pin Cinch Jack	2422 026 04815
1256	SVHS Jack.	2422 026 04926
2286	Cap, 150p, 10%, 50v, Ceramic	3198 019 11510
2288	Cap, 150p, 10%, 50v, Ceramic	3198 019 11510
2292	Cap, 470p, 10%, 50v, Ceramic	3198 019 14710
2294	Cap, 470p, 10%, 50v, Ceramic	3198 019 14710
2296	Cap, 4n7, +80/-20%, 50v, Ceramic . . .	3198 019 24720
2297	Cap, 4n7, +80/-20%, 50v, Ceramic . . .	3198 019 24720
3285	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
3286	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
3287	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
3288	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
3289	Res, 1K8, 5%, 1/6W, Carbon Film. . . .	3198 011 01820
3291	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3292	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
3293	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3294	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
3295	Res, 3K9, 5%, 1/6W, Carbon Film. . . .	3198 011 03920
3296	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3297	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
4241	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4243	Res, Zero ohm, "Chip" Jumper	3198 021 90020
6291	Zener Diode, 12 volt	3198 020 51290
6292	Zener Diode, 12 volt	3198 020 51290
6293	Zener Diode, 12 volt	3198 020 51290
6294	Zener Diode, 12 volt	3198 020 51290
6296	Zener Diode, 12 volt	3198 020 51290
6297	Zener Diode, 12 volt	3198 020 51290
9231	Wire Jumper.	3198 036 90010
9232	Wire Jumper.	3198 036 90010

Top Control Panel

Top Control Panel

Top Control Panel

Top Control Panel

DC Shift Panel

DC Shift Panel

DAF Panel

DAF Panel

Mains/Front Interface Panel

Mains/Front Interface Panel

2 Tuner PIP Panel

2 Tuner PIP Panel

High Definition Jack Panel

High Definition Jack Panel

CBA	High Definition Jack Panel	3121 238 00161
1104	5 Pin Board Connector.	2422 025 06353
1304	7 Pin Board Connector.	2422 025 10776
1680	6 Pin Board Connector.	2422 025 10183
1990	15 Pin Board Connector	2422 025 16257
1991	2 Pin Cinch Jack	2422 026 04758
1993	3 Pin Cinch Jack	2422 026 05079
2101	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2102	Cap, 470n, +80/-20%, 16v, Ceramic. . .	3198 017 24740
2103	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2104	Cap, 470n, +80/-20%, 16v, Ceramic. . .	3198 017 24740
2105	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2107	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2109	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2111	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2113	Cap, 220n, +80/-20%, 25v, Ceramic. . .	3198 023 22240
2115	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2117	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2119	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2121	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2125	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2127	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
2130	Cap, 220n, +80/-20%, 25v, Ceramic. . .	3198 023 22240
2131	Cap, 100p, 5%, 50v, Ceramic.	3198 016 01010
2132	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
2133	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
2134	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
2135	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
2400	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
2403	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
2404	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
2405	Cap, 22u, 20%, 16v, Electrolytic . . .	3198 028 22290
2406	Cap, 22u, 20%, 16v, Electrolytic . . .	3198 028 22290
2407	Cap, 22u, 20%, 16v, Electrolytic . . .	3198 028 22290
2408	Cap, 100u, 20%, 10v, Electrolytic. . .	3198 028 11010
2700	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 21040
2701	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 21040
2702	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 21040
2703	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 21040
2704	Cap, 220p, 5%, 50v, Ceramic.	3198 016 02210
2705	Cap, 220p, 5%, 50v, Ceramic.	3198 016 02210
2706	Cap, 470p, 5%, 50v, Ceramic.	3198 016 04710
2707	Cap, 22n, 10%, 50v, Ceramic.	3198 017 02230
2713	Cap, 100n, +80/-20%, 25v, Ceramic. . .	3198 023 21040
2714	Cap, 220p, 5%, 50v, Ceramic.	3198 016 02210
2715	Cap, 220p, 5%, 50v, Ceramic.	3198 016 02210
2900	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
2901	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
2904	Cap, 100p, 5%, 50v, Ceramic.	3198 016 01010
2905	Cap, 100p, 5%, 50v, Ceramic.	3198 016 01010
2914	Cap, 22u, 20%, 16v, Electrolytic . . .	3198 028 22290
2928	Cap, 22u, 20%, 16v, Electrolytic . . .	3198 028 22290
3100	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3101	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3102	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
3103	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3104	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
3105	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3106	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3107	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
3108	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
3109	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
3110	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
3111	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3112	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
3124	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3125	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3126	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3127	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
3129	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3130	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3131	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3132	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3133	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020

32PT740H37A (continued)

3140	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
3141	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
3142	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
3143	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
3144	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
3145	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
3150	Res, 22 ohm, 5%, 1/10W, Metalized Glass	3198 021 52290
3151	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3401	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
3402	Res, 1K3, 1%, 1/8W, Metalized Glass.	2322 734 61302
3403	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
3404	Res, 1K3, 1%, 1/8W, Metalized Glass.	2322 734 61302
3405	Res, 1K8, 5%, 1/10W, Metalized Glass	3198 021 51820
3406	Res, 1K3, 1%, 1/8W, Metalized Glass.	2322 734 61302
3407	Res, 1K3, 1%, 1/8W, Metalized Glass.	2322 734 61302
3408	Res, 1K8, 5%, 1/10W, Metalized Glass	3198 021 51820
3409	Res, 1K5, 5%, 1/10W, Metalized Glass	3198 021 51520
3410	Res, 820 ohm, 5%, 1/10W, Metalized Glas	3198 021 58210
3411	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
3412	Res, 1K5, 5%, 1/10W, Metalized Glass	3198 021 51520
3413	Res, 1K1, 1%, 1/8W, Metalized Glass.	2322 734 61102
3414	Res, 620 ohm, 1%, 1/8W, Metalized Glass	2322 734 66201
3415	Res, 620 ohm, 1%, 1/8W, Metalized Glass	2322 734 66201
3416	Res, 1K1, 1%, 1/8W, Metalized Glass.	2322 734 61102
3417	Res, 1K3, 1%, 1/8W, Metalized Glass.	2322 734 61302
3419	Res, 2K, 1%, 1/8W, Metalized Glass	2322 734 62002
3420	Res, 1K2, 5%, 1/10W, Metalized Glass	3198 021 51220
3421	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
3422	Res, 3K, 1%, 1/8W, Metalized Glass	2322 734 63002
3423	Res, 1K, 1%, 1/8W, Metalized Glass	2322 734 61002
3424	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
3426	Res, 1K, 1%, 1/8W, Metalized Glass	2322 734 61002
3427	Res, 1K3, 1%, 1/8W, Metalized Glass.	2322 734 61302
3428	Res, 910 ohm, 1%, 1/8W, Metalized Glass	2322 734 69101
3429	Res, 2K7, 5%, 1/10W, Metalized Glass	3198 021 52720
3430	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3431	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3433	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
3434	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
3435	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
3436	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3701	Res, 330K, 5%, 1/10W, Metalized Glass.	3198 021 53340
3702	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
3703	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
3704	Res, 8K2, 5%, 1/10W, Metalized Glass	3198 021 58220
3705	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3707	Res, 680 ohm, 5%, 1/10W, Metalized Glas	3198 021 56810
3715	Res, 82K, 5%, 1/10W, Metalized Glass	3198 021 58230
3716	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
3717	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
3718	Res, 120K, 5%, 1/8W, Metalized Glass	2322 730 61124
3900	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
3901	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
3902	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
3903	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3904	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3905	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3906	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3909	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3910	Res, 6K8, 5%, 1/10W, Metalized Glass	3198 021 56820
3911	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
3912	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3913	Res, 6K8, 5%, 1/10W, Metalized Glass	3198 021 56820
3914	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
3915	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3916	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3917	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
S 3940	Res, 3R9, 5%, 1/8W, Metalized Glass.	2322 750 63908
S 3941	Res, 3R3, 5%, 1/8W, Metalized Glass.	2322 750 63308
3999	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
4701	Res, Zero ohm, "Chip" Jumper	3198 021 90020
6400	Zener Diode, 3.9 volt.	3198 020 53980
6700	Diode, 1PS76SB10	9340 453 90115
6701	Diode, 1PS76SB10	9340 453 90115
6703	Diode, 1PS76SB10	9340 453 90115
6900	Zener Diode, 6.8 volt.	3198 020 56880
6901	Zener Diode, 6.8 volt.	3198 020 56880
6902	Zener Diode, 6.8 volt.	3198 020 56880
6903	Zener Diode, 6.8 volt.	3198 020 56880
6904	Zener Diode, 6.8 volt.	3198 020 56880
6905	Zener Diode, 6.8 volt.	3198 020 56880
6906	Zener Diode, 6.8 volt.	3198 020 56880
6907	Zener Diode, 6.8 volt.	3198 020 56880
6908	Zener Diode, 6.8 volt.	3198 020 56880
6909	Zener Diode, 6.8 volt.	3198 020 56880
6914	Zener Diode, 6.8 volt.	3198 020 56880
6915	Zener Diode, 6.8 volt.	3198 020 56880
6916	Zener Diode, 6.8 volt.	3198 020 56880
6917	Zener Diode, 6.8 volt.	3198 020 56880
7101	IC, TDA8601T/C1.	9351 538 90518
7102	IC, 74HC4052D.	9337 148 30653
7105	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7106	IC, M62320FP	9322 127 15668
7107	IC, TDA8601T/C1.	9351 538 90518
7108	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7109	Transistor, PNP, BC857B(COL)	3198 010 42150
7110	Transistor, NPN, BC847B(COL)	3198 010 42030
7400	IC, TSH93ID.	9322 145 66668
7450	IC, TSH93ID.	9322 145 66668
7451	Transistor, NPN, BC847B(COL)	3198 010 42030
7452	Transistor, NPN, BC847B(COL)	3198 010 42030
7453	Transistor, NPN, BC847B(COL)	3198 010 42030
7700	IC, LM1881M.	9322 005 78668
7713	Transistor, NPN, BC847B(COL)	3198 010 42030
7750	IC, 74HCT4538D	9337 153 90118
7751	IC, 74HCT4538D	9337 153 90118

Front I/O Panel

	Front I/O Panel	
CBA	Front I/O Panel.	3139 187 29991
0214	5 Pin Board Connector.	2422 025 06353
1000	Tact Switch.	2422 128 02742
1003	Tact Switch.	2422 128 02742
1004	Tact Switch.	2422 128 02742
1005	Tact Switch.	2422 128 02742
1006	Tact Switch.	2422 128 02742
2001	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
2002	Cap, 10n, +80/-20%, 50v, Ceramic	3198 019 21030
3003	Res, 330 ohm, 5%, 1/6W, Carbon Film.	3198 011 03310
3004	Res, 220 ohm, 5%, 1/6W, Carbon Film.	3198 011 02210
3021	Res, 560 ohm, 5%, 1/6W, Carbon Film.	3198 011 05610
3022	Res, 390 ohm, 5%, 1/6W, Carbon Film.	3198 011 03910
3023	Res, 560 ohm, 5%, 1/6W, Carbon Film.	3198 011 05610
3024	Res, 270 ohm, 5%, 1/6W, Carbon Film.	3198 011 02710
3025	Res, 3K3, 5%, 1/6W, Carbon Film.	3198 011 03320
3026	Res, 1K5, 5%, 1/6W, Carbon Film.	3198 011 01520
6005	Diode, BAT85	9336 247 60133
1002	IR Receiver, TSOP1836UH3V.	9322 127 54667
1008	LED.	9322 185 69682

YPbPr 1FH Interface + Expander

	YPbPr 1FH Interface + Expander	
CBA	YPbPr 1FH Interface + Expander	3104 328 10862
0025	Contact Pin.	2422 034 20021
0224	5 Pin Board Connector.	2422 025 06353
1933	4 Pin Board Connector.	2422 025 12489
1934	6 Pin Board Connector.	2422 025 10738
2801	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2803	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2805	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2810	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
2811	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
3801	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
3802	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
3803	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
3804	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
3805	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
3806	Res, 180 ohm, 5%, 1/10W, Metalized Glas	3198 021 51810
3807	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
3808	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3811	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
3812	Res, 68K, 5%, 1/10W, Metalized Glass	3198 021 56830
3813	Res, 39K, 5%, 1/10W, Metalized Glass	3198 021 53930
3814	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3815	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
3816	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
3817	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3818	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3819	Res, 3R9, 5%, 1/8W, Metalized Glass.	2322 750 63908
3821	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
3822	Res, 68K, 5%, 1/10W, Metalized Glass	3198 021 56830
3823	Res, 39K, 5%, 1/10W, Metalized Glass	3198 021 53930
3824	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3825	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
3826	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3827	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3828	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3830	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3831	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
3899	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
4801	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4802	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4803	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4804	Res, Zero ohm, "Chip" Jumper	3198 021 90020
7800	Transistor, NPN, BC847B(COL)	3198 010 42030
7801	Transistor, PNP, BC857B(COL)	3198 010 42150
7802	Transistor, NPN, BC847B(COL)	3198 010 42030
7803	Transistor, PNP, BC857B(COL)	3198 010 42150
7804	Transistor, NPN, BC847B(COL)	3198 010 42030
7805	Transistor, PNP, BC857B(COL)	3198 010 42150
7806	IC, M62320FP	9322 127 15668
9000	Wire Jumper.	3198 036 90010
9001	Wire Jumper.	3198 036 90010
9002	Wire Jumper.	3198 036 90010

S = Safety Part   Be sure to use exact replacement part.

32PT740H37A (continued)

	Ref	Description	Part No.
	9403	Wire Jumper	3198 036 90010
	9404	Wire Jumper	3198 036 90010
	9405	Wire Jumper	3198 036 90010
	9406	Wire Jumper	3198 036 90010
	9407	Wire Jumper	3198 036 90010
	9408	Wire Jumper	3198 036 90010
	9409	Wire Jumper	3198 036 90010
	9410	Wire Jumper	3198 036 90010
	9411	Wire Jumper	3198 036 90010

Cabinet Parts

	Ref	Description	Part No.
		Cabinet Parts	
	AC01	Nameplate	3141 050 00141
	AC02	Anode Lead Clip	3135 014 04471
	AC04	Degaussing Coil Bracket (4 used)	3139 124 32812
S	AC05	Degaussing Coil	2422 549 44676
	AC06	Light Guide	3139 124 43141
	AC11	Chassis Frame	3104 304 22832
	AC14	Connector, Support Bracket	3104 304 21603
	AC16	3D Comb Filter Bracket	3139 124 40621
	AC17	LOT-SSB Support	3104 304 21114
	AC18	LOT Spacer	3104 304 22031
	AC19	Side A/V Bracket	3139 124 32802
	AC20	SSB Shielding, Bottom	3104 301 23963
	AC21	SSB Shielding, Top	3104 301 24111
	AC22	SSB Shielding, Frame	3104 301 24124
	AC24	Cabinet Back	3139 124 44471
	AC25	Speaker, 10W, 8 ohm (2 Used)	3139 128 76202
S	AC26	CRT, A80QCF340XV1(N)	9301 931 60463
	AC27	Cabinet Front	3139 177 57691
	AC29	Insulator Plate	3104 304 90361
	AC30	SSB Snap	3104 304 24111
	AC32	Owner's Manual (French)	3121 235 21051
	AC32	Owner's Manual (Spanish)	3121 235 21061
	AC32	Owner's Manual (English)	3121 235 20881
S	AC33	AC Power Cord	3135 010 03831
	AC34	Batteries for Remote Control Transmitte	9299 000 10137
	AC35	Quick Use Guide (English)	3121 233 44021
	AC35	Quick Use Guide (Spanish)	3121 233 44401
	AC35	Quick Use Guide (French)	3121 233 44391
	AC37	Power Button / Control Buttons Assembly	3139 177 57701
	AC38	Cabinet Front Assembly (Shown Exploded)	3121 237 53211
	AC39	Torx Driver - T10 7" length	4935 395 17249
	AC40	Torx Driver - T10 10" length	4835 395 97018
	REMOTE	Remote Control Transmitter, RCEU023/02	3139 128 76712

CRT Panel

	Ref	Description	Part No.
		CRT Panel	
	CBA	CRT Panel	3139 187 28641
	0224	7 Pin Board Connector	2422 025 11244
S	0235	Ground Clip	3104 301 08281
	0236	Contact Pin	2422 015 18552
S	0298	9 Pin CRT Socket	2422 500 80076
	0340	11 Pin Board Connector	2422 025 12485
	0383	3 Pin Board Connector	2412 020 00725
	2103	Cap, 330p, 5%, 50v, Ceramic	3198 016 33310
	2104	Cap, 330p, 5%, 50v, Ceramic	3198 016 33310
	2105	Cap, 330p, 5%, 50v, Ceramic	3198 016 33310
	2118	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
	2300	Cap, 22u, 20%, 100v, Electrolytic	3198 025 72290
	2301	Cap, 220u, 20%, 16v, Electrolytic	3198 025 22210
	2302	Cap, 39p, 5%, 50v, Ceramic	3198 016 03990
	2303	Cap, 680p, 5%, 25v, Ceramic	3198 016 36810
	2304	Cap, 22n, 10%, 100v, Metalized Polyeste	2222 365 85223
	2306	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2307	Cap, 22n, 10%, 50v, Ceramic	3198 017 02230
	2308	Cap, 15p, 5%, 50v, Ceramic	3198 016 01590
	2309	Cap, 22n, 10%, 50v, Ceramic	3198 017 02230
	2310	Cap, 18p, 5%, 50v, Ceramic	3198 016 01890
	2312	Cap, 22p, 5%, 50v, Ceramic	3198 016 02290
	2313	Cap, 100u, 20%, 250v, Electrolytic	2022 031 00211
	2315	Cap, 180p, 5%, 50v, Ceramic	3198 016 01810
	2316	Cap, 100n, 10%, 250v, Metalized Polyester	2020 308 90143
	2317	Cap, 4n7, 5%, 1600v, Polypropylene	2222 375 90145
	2318	Cap, 22n, +80/-20%, 50v, Ceramic	3198 017 22230
	2319	Cap, 10n, +80/-20%, 50v, Ceramic	3198 019 21030
	2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2337	Cap, 100p, 5%, 50v, Ceramic	3198 016 31010
	2409	Cap, 470n, +80/-20%, 10v, Ceramic	3198 017 44740
	2410	Cap, 470n, +80/-20%, 10v, Ceramic	3198 017 44740
	2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2420	Cap, 470n, +80/-20%, 10v, Ceramic	3198 017 44740
	3106	Res, 1K8, 1%, 1/16W, Metalized Glass	2322 704 61802
	3107	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3109	Res, 1K8, 1%, 1/16W, Metalized Glass	2322 704 61802
	3110	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3111	Trim Pot, 470 ohm, 25%	2120 358 90538
	3113	Res, 1K8, 1%, 1/16W, Metalized Glass	2322 704 61802
	3114	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3115	Trim Pot, 470 ohm, 25%	2120 358 90538
	3116	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3117	Res, 2K7, 1%, 1/16W, Metalized Glass	2322 704 62702
	3118	Res, 2K2, 1%, 1/16W, Metalized Glass	2322 704 62202
	3119	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322 704 61801
	3120	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322 704 61801
	3121	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322 704 61801
	3122	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3123	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3124	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3125	Trim Pot, 470 ohm, 25%	2120 358 90538
S	3300	Res, 5R6, 5%, 1/3W, Metal Film	2306 204 03568
	3301	Res, 10K, 5%, 2 1/2W, Metal Film	2322 195 63103
	3303	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3304	Res, 1K2, 5%, 1/10W, Metalized Glass	3198 021 51220
	3307	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3308	Res, 82K, 5%, 1/10W, Metalized Glass	3198 021 58230
	3309	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3310	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3311	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
	3312	Res, 2K2, 5%, 1/10W, Metalized Glass	3198 021 52220
	3315	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3316	Res, 82K, 5%, 1/10W, Metalized Glass	3198 021 58230
	3317	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3318	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3319	Res, 1K2, 5%, 1/10W, Metalized Glass	3198 021 51220
	3320	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3334	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3338	Res, 1K, 20%, 1/2W, Carbon Film	3198 013 01020
	3339	Res, 1K, 20%, 1/2W, Carbon Film	3198 013 01020
	3340	Res, 1K, 20%, 1/2W, Carbon Film	3198 013 01020
S	3341	Res, 100 ohm, 5%, 1/3W, Metal Film	2306 204 03101
	3342	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3343	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
	3345	Res, 33 ohm, 5%, 1/6W, Carbon Film	3198 011 03390
	3347	Res, 1K5, 20%, 1/2W, Carbon Film	3198 013 01520
	3348	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
	3349	Res, 1K, 20%, 1/2W, Carbon Film	3198 013 01020
	3350	Res, 470 ohm, 5%, 1/6W, Carbon Film	3198 011 04710
	3351	Res, 470 ohm, 5%, 1/6W, Carbon Film	3198 011 04710
	3352	Res, 470 ohm, 5%, 1/6W, Carbon Film	3198 011 04710
	3353	Wire Jumper	3198 036 90010
	3355	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3356	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3357	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3358	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3359	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3366	Voltage Dependent Resistor	2322 593 13507
	3375	Res, 100K, 1%, 3/5W, Metal Film	2312 915 11004
	3376	Res, 100K, 1%, 3/5W, Metal Film	2312 915 11004
	3377	Res, 100K, 1%, 3/5W, Metal Film	2312 915 11004
	3378	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3379	Res, 4R7, 5%, 1/6W, Carbon Film	3198 011 04780
	3398	Res, 22K, 5%, 1/6W, Carbon Film	3198 011 02230
	3405	Res, 39 ohm, 5%, 1/4W, Carbon Film	2120 101 74399
	3410	Res, 100K, 5%, 1/16W, Metalized Glass	3198 021 31040
	3411	Res, 100K, 5%, 1/6W, Carbon Film	3198 011 01040
S	3412	Res, 15 ohm, 5%, 1/8W, Metalized Glass	2322 750 61509
	3413	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3414	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3416	Res, 39 ohm, 5%, 1/4W, Carbon Film	2120 101 74399
	4115	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	4301	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4302	Res, Zero ohm, "Chip" Jumper	3198 021 90030
S	5300	Transformer, S13974-03	3104 308 20571
	6100	Zener Diode, 5.6 volt	3198 020 55680
	6305	Diode, BAS321	9340 553 52115
	6306	Diode, BAS321	9340 553 52115
	6307	Diode, BAS321	9340 553 52115
	6308	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
	6309	Diode, MCL4148	9322 128 15685
	7300	Transistor, NPN, BF199	9330 634 20126
	7301	Transistor, NPN, BFS20	9330 921 11215
	7302	Transistor, PNP, 2SA1358	9322 166 55682
	7303	Transistor, NPN, 2SC3421	9322 166 56682
	7304	Transistor, PNP, BF824	9337 223 50215
	7307	IC, TDA6103Q/N3	9352 079 80112
	7308	Transistor, NPN, BFS20	9330 921 11215
	9301	Wire Jumper	3198 036 90010
	9302	Wire Jumper	3198 036 90010
	9305	Wire Jumper	3198 036 90010
	9307	Wire Jumper	3198 036 90010
	9308	Wire Jumper	3198 036 90010
	9309	Wire Jumper	3198 036 90010
	9313	Wire Jumper	3198 036 90010
	9314	Wire Jumper	3198 036 90010
	9316	Wire Jumper	3198 036 90010
	9317	Wire Jumper	3198 036 90010
	9318	Wire Jumper	3198 036 90010
	9321	Wire Jumper	3198 036 90010
	9322	Wire Jumper	3198 036 90010
	9323	Wire Jumper	3198 036 90010
	9324	Wire Jumper	3198 036 90010
	9325	Wire Jumper	3198 036 90010

S = Safety Part   Be sure to use exact replacement part.

32PT740H37A (continued)

9326	Wire Jumper.	3198 036 90010
9330	Wire Jumper.	3198 036 90010
9333	Wire Jumper.	3198 036 90010
9336	Wire Jumper.	3198 036 90010
9337	Wire Jumper.	3198 036 90010
9401	Wire Jumper.	3198 036 90010
9403	Wire Jumper.	3198 036 90010

Large Signal Panel

	Ref	Description	Part No.
		Large Signal Panel	
	CBA	Large Signal Panel	3104 328 25971
S	0010	2 Pin Board Connector	2422 025 16374
S	0020	2 Pin Board Connector	2422 025 16375
	0150	Fuse Holder	2422 088 00271
	0153	Fuse Holder	2422 088 00271
	0203	4 Pin Board Connector	2422 025 04852
	0204	6 Pin Board Connector	2422 025 04854
	0317	2 Pin Board Connector	2422 025 16269
	0324	7 Pin Board Connector	2422 025 04855
	0325	3 Pin Board Connector	2422 025 16382
	0390	3 Pin Board Connector	2412 020 00725
	0391	Contact Pin	2422 015 18552
	0392	3 Pin Board Connector	2422 025 04851
	1001	Spark Gap	2422 549 42349
S	1002	Relay, 5 Amp, 5V	2422 132 07411
	1200	Tuner	2422 542 90119
S	1401	Fuse, T315MA, 250V	2422 086 10465
S	1501	Fuse, T6A3, 250V	2422 086 00194
S	1503	Fuse, F2A5, 250V	2422 086 10987
	1735	3 Pin Board Connector	2422 025 16407
	1736	3 Pin Board Connector	2422 025 16382
	1900	12 Pin Cinch Jack	2422 026 05064
	1901	SVHS Jack	2422 026 04926
	1923	80 Pin SIMM Socket	2422 025 16599
	1924	5 Pin Board Connector	2422 025 04853
	1936	11 Pin Board Connector	2422 025 12485
	1940	11 Pin Board Connector	2422 015 18953
	1943	3 Pin Board Connector	2422 025 09191
	1945	3 Pin Board Connector	2412 020 00725
	1946	2 Pin Board Connector	2422 025 09405
	1947	5 Pin Board Connector	2422 025 12481
	1951	5 Pin Board Connector	2422 025 04853
S	1975	Fuse, 250MA, 65V	2422 086 10578
	2101	Cap, 2n2, 10%, 50v, Ceramic	3198 019 12220
	2102	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2104	Cap, 2u2, 20%, 16v, Electrolytic	3198 026 22220
	2106	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2108	Cap, 10n, 10%, 400v, Metalized Polyeste	2222 365 55103
	2109	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
	2110	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
S	2112	Cap, 100n, 20%, 275v, Metalized Polypropylene	2222 336 29144
	2113	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2115	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
	2116	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
	2117	Cap, 220p, 10%, 500v, Ceramic	3198 019 42210
	2120	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2132	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2200	Cap, 470u, 20%, 10v, Electrolytic	3198 025 14710
	2201	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2202	Cap, 220n, +80/-20%, 50v, Ceramic	2238 580 19814
	2203	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2400	Cap, 47u, 20%, 160v, Electrolytic	2020 021 91139
	2402	Cap, 3n3, 10%, 500v, Ceramic	3198 019 43320
	2408	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2412	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2413	Cap, 10u, 20%, 50v, Electrolytic	2020 021 91548
	2414	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2415	Cap, 220p, 5%, 50v, Ceramic	3198 016 02210
S	2416	Cap, 1n, 20%, v, Ceramic	2020 554 90129
	2417	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2419	Cap, 470p, 10%, 2000v, Ceramic	2020 558 90483
	2420	Cap, 820p, 5%, 2000v, Polypropylene	2222 375 90504
	2421	Cap, 1u2, 5%, 250v, Metalized Polypropylene	2022 333 00097
	2424	Cap, 1n, 10%, 500v, Ceramic	3198 019 41020
	2425	Cap, 8n2, 5%, 2000v, Polypropylene	2222 375 90173
	2426	Cap, 18n, 5%, 630v, Polypropylene	2222 375 90218
	2429	Cap, 4n7, 10%, 400v, Metalized Polyeste	2222 365 55472
	2430	Cap, 10n, 10%, 100v, Metalized Polyeste	2222 365 85103
	2431	Cap, 1n, 10%, 500v, Ceramic	3198 019 41020
	2433	Cap, 330n, 5%, 250v, Metalized Polypropylene	2022 333 00084
	2436	Cap, 1u, 20%, 160v, Electrolytic	2020 021 90561
	2445	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2446	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2447	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2448	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2450	Cap, 100n, 10%, 100v, Metalized Polyester	2222 365 85104
	2454	Cap, 1u, 10%, 16v, Ceramic	2020 552 96448
	2455	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2459	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2460	Cap, 3u3, 20%, 16v, Electrolytic	3198 026 23320
	2461	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2462	Cap, 2u2, 20%, 25v, Electrolytic	3198 026 32220
	2463	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2464	Cap, 2u2, 20%, 25v, Electrolytic	3198 026 32220
	2465	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2466	Cap, 100u, 20%, 10v, Electrolytic	3198 025 11010
	2467	Cap, 100u, 20%, 10v, Electrolytic	3198 025 11010
	2468	Cap, 4u7, 20%, 350v, Electrolytic	2020 021 91304
	2469	Cap, 1n5, 10%, 1000v, Ceramic	3198 019 61520
	2471	Cap, 18n, 2%, 63v, Polypropylene	2222 460 90025
	2480	Cap, 4n7, 10%, 50v, Polyester	3198 014 04720
	2485	Cap, 10n, 2%, 63v, Polypropylene	2222 460 90022
	2489	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2492	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	2493	Cap, 22n, +80/-20%, 50v, Ceramic	3198 017 22230
	2494	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2495	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2496	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2497	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2498	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2499	Cap, 3n3, 10%, 50v, Ceramic	3198 017 03320
	2501	Cap, 2n2, 10%, 1000v, Ceramic	2020 558 90571
	2502	Cap, 2n2, 10%, 50v, Ceramic	3198 019 12220
	2503	Cap, 33n, 10%, 100v, Metalized Polyeste	2222 365 85333
S	2505	Cap, 3n3, 20%, v, Ceramic	2020 554 90174
	2506	Cap, 470n, 10%, 100v, Metalized Polyester	2222 365 25474
	2507	Cap, 470n, 20%, 275v, Metalized Polypropylene	2222 336 29148
	2509	Cap, 2n2, 10%, 1000v, Ceramic	3198 019 52220
	2510	Cap, 470u, 20%, 200v, Electrolytic	2020 024 90647
	2511	Cap, 470u, 20%, 200v, Electrolytic	2020 024 90647
	2512	Cap, 1000u, 20%, 35v, Electrolytic	3198 026 41020
	2513	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2514	Cap, 330p, 10%, 50v, Ceramic	3198 017 03310
	2515	Cap, 47u, 20%, 160v, Electrolytic	2020 021 91543
	2518	Cap, 150p, 10%, 500v, Ceramic	3198 019 41510
	2519	Cap, 2n2, 10%, 500v, Ceramic	3198 019 42220
	2520	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2521	Cap, 270p, 5%, 50v, Ceramic	3198 016 02710
	2529	Cap, 470u, 20%, 6.3v, Electrolytic	3198 025 04710
	2530	Cap, 470n, +80/-20%, 16v, Ceramic	3198 017 24740
	2531	Cap, 1n5, 10%, 500v, Ceramic	3198 019 41520
	2536	Cap, 1u, 20%, 50v, Electrolytic	3198 025 51080
S	2537	Cap, 22n, 20%, 275v, Metalized Polypropylene	2222 336 29139
	2538	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2601	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2602	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2603	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2604	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2606	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2607	Cap, 4u7, 20%, 100v, Electrolytic	3198 025 74780
	2609	Cap, 220u, 20%, 16v, Electrolytic	3198 025 22210
	2610	Cap, 2n2, 10%, 50v, Ceramic	3198 017 02220
	2611	Cap, 330n, 10%, 16v, Ceramic	2222 780 15656
	2620	Cap, 220n, +80/-20%, 50v, Ceramic	2238 580 19814
	2621	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2622	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2624	Cap, 470n, 10%, 50v, Polyester	3198 014 04740
	2625	Cap, 470n, 10%, 50v, Polyester	3198 014 04740
	2627	Cap, 1u, 20%, 100v, Electrolytic	3198 025 71080
	2639	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2640	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
	2641	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2642	Cap, 100u, 20%, 50v, Electrolytic	2020 021 90587
	2643	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2653	Cap, 1n, 5%, 50v, Ceramic	3198 016 01020
	2654	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	2704	Cap, 47u, 20%, 50v, Electrolytic	3198 025 54790
	2730	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2731	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2732	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2733	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2734	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2735	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2738	Cap, 470u, 20%, 16v, Electrolytic	3198 025 24710
	2739	Cap, 470u, 20%, 16v, Electrolytic	3198 025 24710
	2756	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	2758	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
	2760	Cap, 1000u, 20%, 25v, Electrolytic	3198 026 31020
	2761	Cap, 1000u, 20%, 25v, Electrolytic	3198 026 31020
	2765	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2767	Cap, 220u, 20%, 25v, Electrolytic	3198 025 32210
	2782	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	2784	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2785	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2788	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2905	Cap, 3u3, 20%, 16v, Electrolytic	3198 026 23320
	2906	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2910	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2912	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2913	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2914	Cap, 100u, 20%, 10v, Electrolytic	3198 025 11010
	2917	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2920	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2921	Cap, 1n, 5%, 50v, Ceramic	3198 016 01020

S = Safety Part   Be sure to use exact replacement part.

32PT830H37A (continued)

	2923	Cap, 330p, 5%, 50v, Ceramic.	3198 016 03310
	2925	Cap, 330p, 5%, 50v, Ceramic.	3198 016 03310
	2926	Cap, 470u, 20%, 6.3v, Electrolytic . .	3198 025 04710
	2927	Cap, 47u, 20%, 50v, Electrolytic . . .	3198 025 54790
	2928	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2941	Cap, 6n8, 10%, 50v, Ceramic.	3198 017 06820
	2942	Cap, 6n8, 10%, 50v, Ceramic.	3198 017 06820
	2951	Cap, 1u, 20%, 50v, Electrolytic. . . .	3198 025 51080
	2952	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	2953	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	3101	Res, 3M3, 5%, 1/4W, Metalized Glass. .	2322 241 53335
	3102	Res, 680 ohm, 1%, 3/5W, Metal Film . .	2312 915 16801
	3103	Res, 680 ohm, 1%, 3/5W, Metal Film . .	2312 915 16801
	3104	Res, 47 ohm, 5%, 1/6W, Carbon Film . .	3198 011 04790
	3105	Res, 680 ohm, 1%, 3/5W, Metal Film . .	2312 915 16801
	3106	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3107	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3108	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
	3109	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
S	3110	Res, 10 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03109
	3113	Res, 22 ohm, 5%, 1/6W, Carbon Film . .	3198 011 02290
	3114	Res, 220 ohm, 5%, 1/6W, Carbon Film. .	3198 011 02210
	3117	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3118	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
	3119	Res, 33 ohm, 5%, 1/6W, Carbon Film . .	3198 011 03390
	3120	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3121	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3123	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
	3124	Res, 68 ohm, 5%, 1/6W, Carbon Film . .	3198 011 06890
	3125	Res, 15 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01590
	3126	Res, 10K, 5%, 1/6W, Carbon Film. . . .	3198 011 01030
	3127	Res, 5K6, 5%, 1/6W, Carbon Film. . . .	3198 011 05620
	3130	Res, 47 ohm, 5%, 1/6W, Carbon Film . .	3198 011 04790
	3148	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3200	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3201	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3202	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3203	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
S	3230	Res, 22K, 5%, 1 1/3W, Metal Film . . .	3198 012 22230
	3237	Wire Jumper.	3198 036 90010
	3402	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3403	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3404	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3406	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3407	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3408	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3409	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3410	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3411	Res, 39 ohm, 5%, 1/4W, Carbon Film . .	2120 101 74399
	3414	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
S	3415	Res, 15 ohm, 5%, 2 1/2W, Metal Film. .	3198 012 31590
	3417	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
	3418	Res, 68K, 1%, 3/5W, Metal Film	2312 915 16803
S	3431	Res, 330 ohm, 5%, 1/3W, Metal Film . .	2306 204 03331
S	3436	Res, 22K, 5%, 1 1/3W, Metal Film . . .	3198 012 22230
	3439	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3440	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3441	Res, 1M, 5%, 1/10W, Metalized Glass. .	3198 021 51050
	3442	Res, 470K, 5%, 1/10W, Metalized Glass.	3198 021 54740
	3443	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3444	Res, 39K, 5%, 1/10W, Metalized Glass .	3198 021 53930
	3445	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3446	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
S	3447	Res, 22 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03229
	3450	Res, 10K, 5%, 1/6W, Carbon Film. . . .	3198 011 01030
	3451	Res, 8K2, 5%, 1/6W, Carbon Film. . . .	3198 011 08220
	3452	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3454	Res, 2K7, 5%, 1/10W, Metalized Glass .	3198 021 52720
	3455	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3458	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
S	3459	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S	3460	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S	3461	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S	3462	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S	3463	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S	3464	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S	3465	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S	3466	Res, 10 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03109
S	3467	Res, 10 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03109
S	3468	Res, 6R8, 5%, 1/2W, Metal Film	2306 207 03688
	3470	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3471	Res, 6K8, 5%, 1/10W, Metalized Glass .	3198 021 56820
	3472	Res, 39K, 5%, 1/10W, Metalized Glass .	3198 021 53930
	3473	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3474	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3475	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3476	Res, 220K, 5%, 1/6W, Carbon Film . . .	3198 011 02240
	3477	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3478	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
S	3479	Res, 100 ohm, 5%, 1 1/3W, Metal Film .	3198 012 21010
	3481	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3484	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3485	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3486	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3487	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3489	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3495	Res, 33K, 1%, 3/5W, Metal Film	2312 915 13303
	3496	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3497	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3498	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
S	3500	Res, 0R47, 10%, 7W, Wire Wound	2322 252 41477
S	3501	Res, 220 ohm, 20%, 1/2W, Carbon Film .	3198 013 02210
S	3502	Res, 4M7, 5%, 1/2W, Metalized Glass. .	2322 242 13475
S	3503	Res, 4M7, 5%, 1/2W, Metalized Glass. .	2322 242 13475
	3504	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3505	Res, 68K, 5%, 1/10W, Metalized Glass .	3198 021 56830
	3506	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3507	Res, 160K, 1%, 3/5W, Metal Film. . . .	2312 915 11604
S	3508	Res, 6K8, 5%, 1W, Metal Film	3198 012 16820
S	3509	VDR, 800V.	2322 595 90025
	3510	Res, 2K, 1%, 1/8W, Metalized Glass . .	2322 734 62002
	3511	Res, 3K9, 5%, 1/6W, Carbon Film. . . .	3198 011 03920
	3512	Res, 68K, 5%, 1/6W, Carbon Film. . . .	3198 011 06830
	3513	Res, 330K, 5%, 1W, Metal Film.	2322 193 53334
	3514	Res, 1R2, 5%, 1W, Metal Film	2322 193 53128
	3515	Res, 0R68, 5%, 3/5W, Metal Film. . . .	3198 012 16870
	3517	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3518	Res, 100K, 5%, 1/6W, Carbon Film . . .	3198 011 01040
	3519	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
S	3520	Res, 33K, 5%, 2 1/2W, Metal Film . . .	3198 012 33330
S	3521	Res, 1M, 5%, 1/2W, Metalized Glass . .	2322 242 13105
	3522	Res, 6K8, 5%, 1/6W, Carbon Film. . . .	3198 011 06820
	3523	Res, 1M, 5%, 1/10W, Metalized Glass. .	3198 021 51050
	3524	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3525	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3526	Res, 0R1, 5%, 3/5W, Metal Film	3198 012 11070
	3527	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
	3528	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3529	Res, 680 ohm, 5%, 1/10W, Metalized Glas	3198 021 56810
	3530	Res, 68K, 5%, 1/6W, Carbon Film. . . .	3198 011 06830
	3531	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
S	3532	Res, PTC, 1R5, Degaussing.	2322 662 96753
	3533	Res, 15 ohm, 5%, 1/10W, Metalized Glass	3198 021 51590
	3535	Res, 27K, 5%, 1/10W, Metalized Glass .	3198 021 52730
	3536	Res, 680K, 5%, 1/10W, Metalized Glass.	3198 021 56840
	3537	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3540	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3541	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3542	Res, 0R1, 5%, 3/5W, Metal Film	3198 012 11070
	3543	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3544	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3545	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3550	Res, 220 ohm, 20%, 1/2W, Carbon Film .	3198 013 02210
	3600	Res, 470K, 1%, 3/5W, Metal Film. . . .	2312 915 14704
	3601	Res, 470K, 1%, 3/5W, Metal Film. . . .	2312 915 14704
	3602	Res, 8K2, 5%, 1/10W, Metalized Glass .	3198 021 58220
	3603	Trim Pot, 470 ohm.	2120 368 90118
	3604	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3605	Res, 27K, 5%, 1/10W, Metalized Glass .	3198 021 52730
	3606	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3607	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3608	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3609	Trim Pot, 22k.	2120 368 90124
	3610	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3612	Res, 82K, 5%, 1/10W, Metalized Glass .	3198 021 58230
	3613	Res, 270K, 5%, 1/8W, Metalized Glass .	2322 730 61274
	3614	Res, 150K, 1%, 3/5W, Metal Film. . . .	2312 915 11504
	3615	Res, 560K, 5%, 1/4W, Carbon Film . . .	2120 101 74564
	3616	Res, 470K, 5%, 1/6W, Carbon Film . . .	3198 011 04740
	3617	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3618	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3619	Res, 5K6, 5%, 1/10W, Metalized Glass .	3198 021 55620
	3620	Res, 3R3, 5%, 1/4W, Carbon Film. . . .	2120 101 74338
	3621	Res, 1 ohm, 5%, 1/6W, Carbon Film. . .	3198 011 01080
	3622	Res, 1 ohm, 5%, 1/6W, Carbon Film. . .	3198 011 01080
	3623	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
S	3624	Res, 1R5, 5%, 1/3W, Metal Film	2306 204 03158
	3626	Res, 150 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01510
	3627	Res, 1M, 5%, 1/6W, Carbon Film	3198 011 01050
	3628	Res, 3R3, 5%, 1/4W, Carbon Film. . . .	2120 101 74338
	3630	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3631	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3632	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3633	Res, 150K, 5%, 1/10W, Metalized Glass.	3198 021 51540
	3634	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3635	Res, 1K5, 5%, 1/10W, Metalized Glass .	3198 021 51520
	3636	Res, 330K, 5%, 1/10W, Metalized Glass.	3198 021 53340
	3639	Res, 470K, 5%, 1/10W, Metalized Glass.	3198 021 54740
	3640	Res, 22K, 5%, 1/6W, Carbon Film. . . .	3198 011 02230
	3641	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3642	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3643	Res, 33K, 5%, 1/10W, Metalized Glass .	3198 021 53330
	3644	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3645	Res, 330K, 5%, 1/6W, Carbon Film . . .	3198 011 03340

S = Safety Part   Be sure to use exact replacement part.

32PT830H37A (continued)

	3652	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3653	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3654	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3654	LED	
	3654	LED	
	3661	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3663	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3701	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3702	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3705	Res, 1K2, 5%, 1/10W, Metalized Glass .	3198 021 51220
	3706	Res, 1K2, 5%, 1/10W, Metalized Glass .	3198 021 51220
	3710	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3711	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3714	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3715	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3716	Res, 1K5, 5%, 1/10W, Metalized Glass .	3198 021 51520
	3717	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3730	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3731	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3732	Res, 8K2, 5%, 1/10W, Metalized Glass .	3198 021 58220
	3733	Res, 8K2, 5%, 1/10W, Metalized Glass .	3198 021 58220
	3734	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3735	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3736	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3737	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3738	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3739	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3740	Res, 68K, 5%, 1/10W, Metalized Glass .	3198 021 56830
	3741	Res, 68K, 5%, 1/10W, Metalized Glass .	3198 021 56830
	3742	Res, 68 ohm, 5%, 1/6W, Carbon Film . .	3198 011 06890
	3743	Res, 68 ohm, 5%, 1/6W, Carbon Film . .	3198 011 06890
	3744	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3745	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3750	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3756	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3757	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3758	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3762	Res, 8R2, 5%, 1/8W, Metalized Glass. .	2322 730 61828
	3765	Res, 6K8, 5%, 1/10W, Metalized Glass .	3198 021 56820
	3770	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3773	Res, 150K, 5%, 1/10W, Metalized Glass.	3198 021 51540
	3789	Res, 8R2, 5%, 1/8W, Metalized Glass. .	2322 730 61828
	3790	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3792	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3908	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3909	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3910	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3911	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3912	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3913	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3914	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3915	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3919	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3920	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
S	3925	Res, 6R8, 5%, 1/3W, Metal Film	2306 204 03688
	3928	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3929	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3930	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
	3932	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3935	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
	3936	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3937	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3940	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3941	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3944	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3946	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3950	Res, 1K8, 5%, 1/6W, Carbon Film. . . .	3198 011 01820
	3955	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3970	Res, 120 ohm, 5%, 1/10W, Metalized Glas	3198 021 51210
	3971	Res, 2K7, 5%, 1/10W, Metalized Glass .	3198 021 52720
	3972	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3975	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3991	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3992	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3993	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3995	Wire Jumper.	3198 036 90010
	3996	Wire Jumper.	3198 036 90010
	3997	Wire Jumper.	3198 036 90010
	4102	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4401	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4402	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4403	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4405	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4406	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4407	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4408	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4409	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4410	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4412	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4413	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4415	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4416	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4441	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4442	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4443	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4444	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4483	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4521	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4522	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4611	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4615	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4619	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4702	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4707	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4710	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4722	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4723	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4724	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4901	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4902	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4904	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4906	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4908	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4910	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4911	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4915	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4916	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4919	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4920	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4921	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4923	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4924	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4926	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4927	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4928	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4929	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4930	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4932	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4933	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4934	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4935	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4937	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4938	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4939	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4941	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4945	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4946	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4947	Res, Zero ohm, "Chip" Jumper	3198 021 90020
S	5101	Standby Power Transformer.	2422 531 02449
	5102	Coil, 8u2.	3198 018 28280
	5103	Ferrite Bead, 50MHz.	2422 535 95748
	5104	Ferrite Bead, 100MHz	3198 018 90020
	5105	Ferrite Bead, 50MHz.	2422 535 95748
	5106	Coil, 1u	3198 018 11080
	5110	Ferrite Bead, 100MHz	3198 018 90020
	5115	Ferrite Bead, 100MHz	3198 018 90020
	5120	Coil, 680n	3198 018 16870
	5200	Coil, 6u8.	2422 535 94267
	5203	Inductor, 100MHz, 600 ohm.	3198 018 90080
	5204	Inductor, 100MHz, 600 ohm.	3198 018 90080
	5205	Inductor, 100MHz, 600 ohm.	3198 018 90080
	5400	Coil, 33u.	3198 018 73390
S	5410	Transformer, Driver, S16944.	2422 531 02447
	5411	Coil, 560n	2422 535 95339
	5421	Coil, 6u	2422 536 00102
	5422	Bridge Coil, W7132-004	2422 531 02357
	5426	Coil, 2u4.	2422 535 95097
S	5430	Line Output Transformer.	2422 531 02557
	5461	Ferrite Bead, 100MHz	3198 018 90020
	5463	Ferrite Bead, 100MHz	3198 018 90020
	5465	Ferrite Bead, 100MHz	3198 018 90020
	5466	Coil, 68u.	3198 018 76890
	5467	Ferrite Bead, 100MHz	3198 018 90020
	5468	Coil, 22u.	3198 018 72290
	5469	Coil, 18u.	3198 018 11890
	5494	Coil, 68u.	2422 535 94095
S	5503	Mains Filter	2422 549 44362
	5505	Ferrite Bead, 100MHz	3198 018 90020
S	5506	Supply Transformer	2422 531 98042
	5507	Ferrite Bead, 100MHz	3198 018 90020
	5508	Ferrite Bead, 100MHz	3198 018 90020
	5510	Ferrite Bead, 100MHz	3198 018 90020
	5620	Coil, 90n.	2422 535 95444
	6103	Diode, Rect, BYD33D	9337 234 00133
	6105	Zener Diode, 15 volt	3198 010 21590
	6106	Zener Diode, 24 volt	9331 669 60133
	6108	Diode, BAT85	9336 247 60133
	6110	Diode, BAT85	9336 247 60133
	6111	Diode, Rect, SB360L-7024.	9322 161 78682
	6120	Diode, 1N4148.	3198 010 10010
	6121	Diode, 1N4148.	3198 010 10010
	6122	Zener Diode, 3.9 volt.	3198 010 53980
	6124	Diode, BAT85	9336 247 60133
	6200	Zener Diode, 33 volt	3198 020 53390

S = Safety Part   Be sure to use exact replacement part.

32PT830H37A (continued)

6204	Zener Diode, 6.8 volt.	3198 020 56880
6205	Zener Diode, 6.8 volt.	3198 020 56880
6206	Zener Diode, 6.8 volt.	3198 020 56880
6207	Zener Diode, 6.8 volt.	3198 020 56880
6405	Zener Diode, 33 volt	3198 020 53390
6406	Diode, BAS316.	3198 010 10630
6407	Diode, BAS316.	3198 010 10630
6408	Diode, Rect, BYD33D	9337 234 00133
6421	Diode, Rect, BY359X-1500.	9340 303 30127
6422	Diode, Rect, BY229X-600	9340 380 20127
6436	Diode, Rect, BYD33J	9337 234 20133
6437	Diode, Rect, BYD33J	9337 234 20133
6440	Diode, BAS316.	3198 010 10630
6441	Diode, BAS316.	3198 010 10630
6442	Zener Diode, 15 volt	3198 020 51590
6451	Diode, BAS316.	3198 010 10630
6452	Diode, BAS316.	3198 010 10630
6453	Diode, BAS316.	3198 010 10630
6454	Zener Diode, 33 volt	9340 548 71115
6456	Zener Diode, 33 volt	9340 548 71115
6461	Diode, Rect, BYV29X-500	9340 555 59127
6463	Diode, Rect, BYV29X-500	9340 555 59127
6465	Diode, Rect, BYV29X-500	9340 555 59127
6466	Diode, Rect, BYV29X-500	9340 555 59127
6468	Diode, Rect, BYD33D	9337 234 00133
6480	Diode, Rect, BYD33D	9337 234 00133
6481	Zener Diode, 18 volt	3198 010 21890
6482	Diode, BAS316.	3198 010 10630
6492	Diode, BAS316.	3198 010 10630
6493	Zener Diode, 47 volt	9340 389 00115
6499	Zener Diode, 6.8 volt.	3198 020 56880
6505	Zener Diode, 15 volt	3198 010 21590
6506	Diode, 1N4148.	3198 010 10010
6507	Diode, Rect, BYV28-200/24	9340 550 66112
6508	Diode, Rect, BYV28-400/20	9340 549 39112
6510	Zener Diode, 15 volt	3198 010 51590
6511	Diode, BAS316.	3198 010 10630
6512	Diode, BAS316.	3198 010 10630
6513	Diode, Bridge Rect, REC GBU4K.	3198 010 10640
6514	Zener Diode, 200 volt.	9336 018 20133
6515	Zener Diode, 5.6 volt.	9335 005 90133
6516	Diode, BAS316.	3198 010 10630
6517	Diode, BAT85	9336 247 60133
6518	Diode, BAS316.	3198 010 10630
6519	Diode, Rect, BYD33D	9337 234 00133
6600	Diode, 1N4148.	3198 010 10010
6616	Diode, BAS316.	3198 010 10630
6617	Diode, 1N4148.	3198 010 10010
6619	Diode, Rect, BYD33D	9337 234 00133
6620	Diode, Rect, BYV27-200.	9322 126 72673
6623	Diode, BAS316.	3198 010 10630
6636	Diode, BAS316.	3198 010 10630
6660	Diode, BAT85	9336 247 60133
6665	Diode, BAS316.	3198 010 10630
6731	Diode, BAS316.	3198 010 10630
6732	Diode, BAS316.	3198 010 10630
6900	Diode, BAS316.	3198 010 10630
6901	Diode, 1PS76SB10	9340 453 90115
6902	Diode, 1PS76SB10	9340 453 90115
6903	Diode, 1PS76SB10	9340 453 90115
6904	Diode, 1N4148.	3198 010 10010
7100	Transistor, PNP, BC557B(COL)	3198 020 40110
7101	Transistor, NPN, BC547B(COL)	3198 020 40030
7102	Power FET, STP3NB60FP.	9322 129 71687
S 7104	Optical Coupler, TCDT1102G	9319 002 76682
7228	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7407	Transistor, NPN, BC847B(COL)	3198 010 42030
7408	Transistor, NPN, BC368	9332 592 40126
7409	Transistor, NPN, BC847B(COL)	3198 010 42030
7421	Transistor, NPN, BU2527DX.	9340 496 80127
7440	IC, LM358N	9339 848 90682
7441	Transistor, NPN, BC547B(COL)	3198 020 40030
7442	Transistor, PNP, BC557B(COL)	3198 020 40110
7452	Transistor, NPN, BC847B(COL)	3198 010 42030
7480	Power FET, STP3NB60FP.	9322 129 71687
7481	Transistor, PNP, BC557B(COL)	3198 020 40110
S 7482	Optical Coupler, TCDT1102G	9319 002 76682
7501	Transistor, PNP, BC857B(COL)	3198 010 42150
7502	Transistor, NPN, BF487	9337 626 60126
7504	Power FET, STP5NB40.	9322 174 85687
7505	Transistor, PNP, BC857B(COL)	3198 010 42150
7506	IC TL431ACZ-AP S (ST00) A	9322 086 97676
7510	Transistor, NPN, BC847B(COL)	3198 010 42030
7528	Transistor, NPN, BC337-25(COL)	3198 020 43530
7529	Transistor, NPN, BC847B(COL)	3198 010 42030
7600	Transistor, NPN, BC546B.	9332 377 80126
7602	Transistor, NPN, BC847B(COL)	3198 010 42030
7603	Transistor, PNP, BC857B(COL)	3198 010 42150
7605	Transistor, NPN, BC847B(COL)	3198 010 42030
7606	Transistor, NPN, BC847B(COL)	3198 010 42030
S 7610	Optical Coupler, TCDT1102G	9319 002 76682
S 7613	Optical Coupler, TCDT1102G	9319 002 76682

7620	IC, TDA8177.	9322 066 43687
7640	Transistor, NPN, BC847B(COL)	3198 010 42030
7641	Transistor, NPN, BC847B(COL)	3198 010 42030
7652	Transistor, NPN, BC847B(COL)	3198 010 42030
7653	Transistor, NPN, BC847B(COL)	3198 010 42030
7654	Transistor, PNP, BC857B(COL)	3198 010 42150
7655	Transistor, NPN, BC847B(COL)	3198 010 42030
7702	Transistor, NPN, BC847B(COL)	3198 010 42030
7720	Transistor, NPN, BC847B(COL)	3198 010 42030
7721	Transistor, NPN, BC847B(COL)	3198 010 42030
7722	Transistor, PNP, BC857B(COL)	3198 010 42150
7723	Transistor, PNP, BC857B(COL)	3198 010 42150
7724	Transistor, NPN, BC847B(COL)	3198 010 42030
7725	Transistor, NPN, BC847B(COL)	3198 010 42030
7730	Transistor, NPN, BC847B(COL)	3198 010 42030
7731	Transistor, PNP, BC857B(COL)	3198 010 42150
7732	Transistor, NPN, BC847B(COL)	3198 010 42030
7750	IC, TDA2616.	9350 403 20112
7901	Transistor, NPN, BC547B(COL)	3198 020 40030
7902	Transistor, NPN, BC337-25(COL)	3198 020 43530
7905	Transistor, NPN, BC368	9332 592 40126
7906	IC, L4940V85	9322 005 46687
7907	Transistor, NPN, BC847B(COL)	3198 010 42030
7908	Transistor, PNP, BC857B(COL)	3198 010 42150
7909	Transistor, PNP, BC857B(COL)	3198 010 42150
8203	Cable, 4 Pin, 340mm.	3104 311 05481
8204	Cable, 6 Pin, 220mm.	3104 311 05471
8317	Cable, 2 Pin, 340mm.	3104 311 01431
8324	Cable, 7 Pin, 560mm.	3104 311 05411
8340	Cable, 11 Pin 480mm.	3104 311 05431
8392	Cable, 3 Pin, 220mm.	3104 311 04171
8924	Cable, 5 Pin, 280mm.	3104 311 02511
8936	Cable, 11 Pin, 820mm	3104 311 01181
8951	Cable, 5 Pin, 340mm.	3104 311 03491
9101	Wire Jumper.	3198 036 90010
9102	Wire Jumper.	3198 036 90010
9113	Wire Jumper.	3198 036 90010
9203	Wire Jumper.	3198 036 90010
9204	Wire Jumper.	3198 036 90010
9206	Wire Jumper.	3198 036 90010
9210	Wire Jumper.	3198 036 90010
9212	Wire Jumper.	3198 036 90010
9217	Wire Jumper.	3198 036 90010
9219	Wire Jumper.	3198 036 90010
9221	Wire Jumper.	3198 036 90010
9222	Wire Jumper.	3198 036 90010
9224	Wire Jumper.	3198 036 90010
9226	Wire Jumper.	3198 036 90010
9228	Wire Jumper.	3198 036 90010
9229	Wire Jumper.	3198 036 90010
9230	Wire Jumper.	3198 036 90010
9231	Wire Jumper.	3198 036 90010
9232	Wire Jumper.	3198 036 90010
9302	Wire Jumper.	3198 036 90010
9401	Wire Jumper.	3198 036 90010
9402	Wire Jumper.	3198 036 90010
9403	Wire Jumper.	3198 036 90010
9404	Wire Jumper.	3198 036 90010
9405	Wire Jumper.	3198 036 90010
9406	Wire Jumper.	3198 036 90010
9407	Wire Jumper.	3198 036 90010
9412	Wire Jumper.	3198 036 90010
9414	Wire Jumper.	3198 036 90010
9418	Wire Jumper.	3198 036 90010
9419	Wire Jumper.	3198 036 90010
9421	Wire Jumper.	3198 036 90010
9423	Wire Jumper.	3198 036 90010
9424	Wire Jumper.	3198 036 90010
9425	Wire Jumper.	3198 036 90010
9428	Wire Jumper.	3198 036 90010
9429	Wire Jumper.	3198 036 90010
9430	Wire Jumper.	3198 036 90010
9431	Wire Jumper.	3198 036 90010
9435	Wire Jumper.	3198 036 90010
9436	Wire Jumper.	3198 036 90010
9505	Wire Jumper.	3198 036 90010
9510	Wire Jumper.	3198 036 90010
9512	Wire Jumper.	3198 036 90010
9513	Wire Jumper.	3198 036 90010
9515	Wire Jumper.	3198 036 90010
9516	Wire Jumper.	3198 036 90010
9518	Wire Jumper.	3198 036 90010
9519	Wire Jumper.	3198 036 90010
9520	Wire Jumper.	3198 036 90010
9523	Wire Jumper.	3198 036 90010
9524	Wire Jumper.	3198 036 90010
9525	Wire Jumper.	3198 036 90010
9528	Wire Jumper.	3198 036 90010
9622	Wire Jumper.	3198 036 90010
9623	Wire Jumper.	3198 036 90010
9705	Wire Jumper.	3198 036 90010
9706	Wire Jumper.	3198 036 90010

S = Safety Part Be sure to use exact replacement part.

32PT830H37A (continued)

9707	Wire Jumper	3198 036 90010
9712	Wire Jumper	3198 036 90010
9713	Wire Jumper	3198 036 90010
9714	Wire Jumper	3198 036 90010
9715	Wire Jumper	3198 036 90010
9718	Wire Jumper	3198 036 90010
9720	Wire Jumper	3198 036 90010
9721	Wire Jumper	3198 036 90010
9723	Wire Jumper	3198 036 90010
9724	Wire Jumper	3198 036 90010
9726	Wire Jumper	3198 036 90010
9901	Wire Jumper	3198 036 90010
9902	Wire Jumper	3198 036 90010
9903	Wire Jumper	3198 036 90010
9904	Wire Jumper	3198 036 90010
9906	Wire Jumper	3198 036 90010
9907	Wire Jumper	3198 036 90010
9908	Wire Jumper	3198 036 90010
9909	Wire Jumper	3198 036 90010
9910	Wire Jumper	3198 036 90010
9911	Wire Jumper	3198 036 90010
9912	Wire Jumper	3198 036 90010
9914	Wire Jumper	3198 036 90010
9916	Wire Jumper	3198 036 90010
9917	Wire Jumper	3198 036 90010
9920	Wire Jumper	3198 036 90010
9921	Wire Jumper	3198 036 90010
9922	Wire Jumper	3198 036 90010
9925	Wire Jumper	3198 036 90010
9926	Wire Jumper	3198 036 90010
9927	Wire Jumper	3198 036 90010
9928	Wire Jumper	3198 036 90010
9931	Wire Jumper	3198 036 90010
9932	Wire Jumper	3198 036 90010
9933	Wire Jumper	3198 036 90010
9934	Wire Jumper	3198 036 90010
9936	Wire Jumper	3198 036 90010
9943	Wire Jumper	3198 036 90010
9944	Wire Jumper	3198 036 90010
9945	Wire Jumper	3198 036 90010
9946	Wire Jumper	3198 036 90010
9947	Wire Jumper	3198 036 90010
9948	Wire Jumper	3198 036 90010
9950	Wire Jumper	3198 036 90010
9951	Wire Jumper	3198 036 90010
9952	Wire Jumper	3198 036 90010
9957	Wire Jumper	3198 036 90010
9958	Wire Jumper	3198 036 90010
9960	Wire Jumper	3198 036 90010
9963	Wire Jumper	3198 036 90010
9964	Wire Jumper	3198 036 90010
9965	Wire Jumper	3198 036 90010
9966	Wire Jumper	3198 036 90010
9967	Wire Jumper	3198 036 90010
9968	Wire Jumper	3198 036 90010
9969	Wire Jumper	3198 036 90010
9970	Wire Jumper	3198 036 90010
9971	Wire Jumper	3198 036 90010
9972	Wire Jumper	3198 036 90010
9975	Wire Jumper	3198 036 90010
9976	Wire Jumper	3198 036 90010
9980	Wire Jumper	3198 036 90010
9983	Wire Jumper	3198 036 90010
9984	Wire Jumper	3198 036 90010
9987	Wire Jumper	3198 036 90010
9988	Wire Jumper	3198 036 90010
9990	Wire Jumper	3198 036 90010
9991	Wire Jumper	3198 036 90010
9992	Wire Jumper	3198 036 90010
9993	Wire Jumper	3198 036 90010
9996	Wire Jumper	3198 036 90010
9997	Wire Jumper	3198 036 90010
9998	Wire Jumper	3198 036 90010

Small Signal Board

	Small Signal Board	
CBA	Small Signal Board	3104 328 17762
0302	2 Pin Board Connector	2422 025 16542
0601	IC, ROM, SAA5677	3104 317 04431
1001	Crystal, 12MHz	2422 543 89018
S 1003	Fuse, F315MA, 32V	2422 086 11013
1301	Crystal, 12MHz	2422 540 98456
1303	5 Pin Board Connector	2422 025 16966
1304	7 Pin Board Connector	2422 025 17104
1318	Crystal, 3.579545MHz	2422 543 00861
1407	Filter, 4.5MHz	2422 549 44043
1408	SAW Filter, 45.75MHz	2422 549 44377
1410	Filter, 4.5MHz	2422 549 44534
1651	Crystal, 18.432MHz	2422 543 89019
1680	6 Pin Board Connector	2422 025 16961
1701	Crystal, 12MHz	2422 543 89018
2001	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390
2002	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390
2003	Cap, 2n2, 10%, 50v, Ceramic.	3198 017 32220
2004	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2006	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2007	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2008	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2009	Cap, 470p, 5%, 50v, Ceramic.	3198 016 34710
2010	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2011	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2012	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2013	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2014	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2015	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2016	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2017	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2020	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2300	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2302	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2303	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2304	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2305	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2306	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2307	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2308	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2313	Cap, 100n, 5%, 16v, Polypropylene.	2020 319 90005
2314	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2315	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2317	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2318	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2319	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2320	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2321	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2322	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2323	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2324	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2328	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2329	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2330	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2331	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2332	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2333	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2334	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2335	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2336	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2338	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2339	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
2340	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2341	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2342	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2343	Cap, 100n, +80/-20%, 25v, Ceramic.	3198 023 41040
2350	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2351	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2352	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2356	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2357	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2358	Cap, 3n3, 10%, 50v, Ceramic.	3198 017 33320
2361	Cap, 1p2, 21%, 50v, Ceramic.	3198 016 31280
2362	Cap, 12p, 5%, 50v, Ceramic	3198 016 31290
2363	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2365	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2366	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2367	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2368	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2369	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2370	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2371	Cap, 4n7, 10%, 50v, Ceramic.	3198 017 34720
2372	Cap, 1u, +80/-20%, 16v, Ceramic.	3198 017 21050
2373	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2374	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2375	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2376	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2377	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2378	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2384	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2395	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2396	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2397	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2401	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2410	Cap, 470n, 10%, 16v, Ceramic	2222 780 15658
2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2412	Cap, 4n7, 10%, 50v, Ceramic.	3198 017 34720
2413	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
2418	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2420	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2422	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2429	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040

S = Safety Part   Be sure to use exact replacement part.

32PT830H37A (continued)

2501	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2502	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2503	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2504	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2505	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2506	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2507	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2508	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2510	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2511	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2512	Cap, 470n, +80/-20%, 10v, Ceramic.	3198 017 44740
2550	Cap, 330p, 10%, 50v, Ceramic	3198 017 33310
2552	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2553	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2554	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2555	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2562	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2563	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2564	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2565	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2566	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2567	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2568	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2569	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2570	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2571	Cap, 100p, 5%, 50v, Ceramic.	3198 016 31010
2574	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2575	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2576	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2577	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2578	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2579	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2584	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2585	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2586	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2591	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2593	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2594	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2595	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2609	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2610	Cap, 2n2, 10%, 50v, Ceramic.	3198 017 32220
2611	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2634	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2640	Cap, 220n, +80/-20%, 16v, Ceramic.	3198 017 42240
2643	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2644	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2645	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2646	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2649	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2651	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2652	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2653	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2654	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2659	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2660	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2661	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2662	Cap, 330n, +80/-20%, 25v, Ceramic.	2222 910 19856
2663	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2664	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2665	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2666	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2667	Cap, 3p3, 8%, 50v, Ceramic	3198 016 33380
2668	Cap, 3p3, 8%, 50v, Ceramic	3198 016 33380
2670	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2673	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2674	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2677	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2678	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2679	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2680	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2681	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2682	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2686	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2687	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2693	Cap, 220p, 5%, 50v, Ceramic.	3198 016 32210
2694	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2695	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2702	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
2704	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
2706	Cap, 100u, 20%, 16v, Electrolytic.	2020 021 91555
2708	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
2709	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2710	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
2712	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
2713	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2728	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2729	Cap, 56p, 5%, 50v, Ceramic	3198 016 35690
2730	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2731	Cap, 100p, 5%, 50v, Ceramic.	3198 016 31010
2733	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2738	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2743	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2747	Cap, 18p, 5%, 50v, Ceramic	3198 016 31890
2748	Cap, 18p, 5%, 50v, Ceramic	3198 016 31890
2755	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2756	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2758	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2759	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2760	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2761	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2762	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2763	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2764	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2765	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2766	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2767	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2770	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2771	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2772	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2773	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2774	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2776	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2785	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2786	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2788	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2790	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2792	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2795	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2796	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2798	Cap, 680p, 5%, 25v, Ceramic.	3198 016 36810
2799	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
2908	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2909	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2910	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2911	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2912	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
3001	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3002	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3003	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3004	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3005	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3006	Res, 1K, 5%, 1/16W, Metalized Glass.	3198 021 31020
3007	Res, 1K5, 5%, 1/16W, Metalized Glass	3198 021 31520
3008	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
3009	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
3010	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
3011	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
3012	Res, 2K2, 5%, 1/16W, Metalized Glass	3198 021 32220
3013	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
3014	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3015	Res, 470K, 5%, 1/16W, Metalized Glass.	3198 021 34740
3016	Res, 1K, 5%, 1/16W, Metalized Glass.	3198 021 31020
3017	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3018	Res, 24K, 1%, 1/16W, Metalized Glass	2322 704 62403
3019	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3021	Res, 22K, 5%, 1/16W, Metalized Glass	3198 021 32230
3026	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3027	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3028	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3029	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3030	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3031	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3032	Res, 2K2, 5%, 1/16W, Metalized Glass	3198 021 32220
3033	Res, 2K2, 5%, 1/16W, Metalized Glass	3198 021 32220
3034	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3035	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3039	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3040	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3041	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3042	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
3043	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3044	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3045	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3048	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3049	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3050	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3051	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3052	Res, 6K8, 5%, 1/16W, Metalized Glass	3198 021 36820
3053	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
3056	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
3057	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
3058	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3059	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3060	Res, 2K7, 5%, 1/16W, Metalized Glass	3198 021 32720
3061	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
3062	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3063	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3064	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3065	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
S 3070	Res, 1R5, 5%, 1/8W, Metalized Glass.	2322 750 61508
S 3071	Res, 1R5, 5%, 1/8W, Metalized Glass.	2322 750 61508
3074	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
S 3300	Res, 3R9, 5%, 1/8W, Metalized Glass.	2322 750 63908
3301	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040

S = Safety Part   Be sure to use exact replacement part.

32PT830H37A (continued)

	3302	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
S	3304	Res, 3R9, 5%, 1/8W, Metalized Glass. .	2322 750 63908
	3305	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3306	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3307	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3308	Res, 680K, 5%, 1/16W, Metalized Glass.	3198 021 36840
	3310	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3311	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3312	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
	3313	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3314	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3315	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3316	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3317	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3318	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3319	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3320	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3321	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3322	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3324	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3327	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3328	Res, 39K, 5%, 1/16W, Metalized Glass .	3198 021 33930
S	3329	Res, 6R8, 5%, 1/8W, Metalized Glass. .	2322 750 66808
	3330	Res, 3K3, 5%, 1/16W, Metalized Glass .	3198 021 33320
	3331	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3332	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3333	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3335	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3336	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3337	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3338	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3340	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3341	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3342	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3343	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3344	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3345	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3346	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3347	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3348	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3350	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3351	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3352	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3353	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3354	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3355	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3358	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3359	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3360	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3362	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3363	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3364	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3365	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3366	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3367	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3370	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3371	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
	3372	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3373	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3374	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3375	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3376	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3377	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3378	Res, 15K, 5%, 1/16W, Metalized Glass .	3198 021 31530
	3382	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3384	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3385	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3386	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3387	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3388	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3389	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3390	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3391	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3393	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3394	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3395	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3396	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3397	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3398	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S	3400	Res, 4R7, 5%, 1/8W, Metalized Glass. .	2322 750 64708
	3401	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3402	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3403	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3405	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3415	Res, 8K2, 5%, 1/16W, Metalized Glass .	3198 021 38220
S	3416	Res, 6R8, 5%, 1/8W, Metalized Glass. .	2322 750 66808
	3418	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3419	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
	3420	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3436	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3437	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3441	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3446	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3456	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3457	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3458	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3459	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3460	Res, 3K3, 5%, 1/16W, Metalized Glass .	3198 021 33320
	3461	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3462	Res, 1K2, 5%, 1/16W, Metalized Glass .	3198 021 31220
	3463	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3465	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3467	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3469	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3470	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3519	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3521	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3522	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3523	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3524	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3525	Res, 680K, 5%, 1/16W, Metalized Glass.	3198 021 36840
	3526	Res, 1M, 5%, 1/16W, Metalized Glass. .	3198 021 31050
	3527	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3529	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3530	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3531	Res, 8K2, 5%, 1/16W, Metalized Glass .	3198 021 38220
	3532	Res, 27K, 5%, 1/16W, Metalized Glass .	3198 021 32730
	3546	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3550	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3558	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3559	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3560	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3561	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3562	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3563	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3564	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3565	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3566	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3567	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3570	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3571	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3572	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3574	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3576	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
	3636	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3637	Res, 56K, 5%, 1/16W, Metalized Glass .	3198 021 35630
	3642	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3643	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S	3644	Res, 4R7, 5%, 1/8W, Metalized Glass. .	2322 750 64708
	3651	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3652	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3653	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3654	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3655	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3656	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3657	Res, 82K, 5%, 1/16W, Metalized Glass .	3198 021 38230
	3658	Res, 150K, 5%, 1/16W, Metalized Glass.	3198 021 31540
	3666	Res, 150K, 5%, 1/16W, Metalized Glass.	3198 021 31540
	3667	Res, 56K, 5%, 1/16W, Metalized Glass .	3198 021 35630
	3668	Res, 82K, 5%, 1/16W, Metalized Glass .	3198 021 38230
	3669	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3670	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3671	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3684	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3685	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3686	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3687	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3688	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3689	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3690	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3691	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3692	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3693	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3694	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3695	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3698	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3702	Res, 22 ohm, 5%, 1/16W, Metalized Glass	3198 021 32290
	3703	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3705	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3706	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3707	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3708	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
	3709	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3710	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3711	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3714	Res, 22 ohm, 5%, 1/16W, Metalized Glass	3198 021 32290
	3716	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3717	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3718	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3725	Res, 1M, 5%, 1/16W, Metalized Glass. .	3198 021 31050
	3728	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3731	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3732	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3733	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010

S = Safety Part   Be sure to use exact replacement part.

32PT830H37A (continued)

3739	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3740	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3741	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
3744	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
3745	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
3746	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3747	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
3748	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
3749	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
3754	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3755	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3757	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3759	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3790	Resistor Network, 4 X 100 ohm, 5%	3198 031 11010
3791	Resistor Network, 4 X 100 ohm, 5%	3198 031 11010
3792	Resistor Network, 4 X 100 ohm, 5%	3198 031 11010
3793	Resistor Network, 4 X 100 ohm, 5%	3198 031 11010
3794	Resistor Network, 4 X 100 ohm, 5%	3198 031 11010
3795	Resistor Network, 4 X 100 ohm, 5%	3198 031 11010
3796	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3797	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3900	Inductor, 100MHz, 600 ohm	3198 018 90040
3901	Inductor, 100MHz, 600 ohm	3198 018 90040
3902	Inductor, 100MHz, 600 ohm	3198 018 90040
3903	Inductor, 100MHz, 600 ohm	3198 018 90040
3904	Inductor, 100MHz, 600 ohm	3198 018 90040
3905	Inductor, 100MHz, 600 ohm	3198 018 90040
3906	Inductor, 100MHz, 600 ohm	3198 018 90040
3907	Inductor, 100MHz, 600 ohm	3198 018 90040
3908	Inductor, 100MHz, 600 ohm	3198 018 90040
3909	Inductor, 100MHz, 600 ohm	3198 018 90040
3910	Inductor, 100MHz, 600 ohm	3198 018 90040
3911	Inductor, 100MHz, 600 ohm	3198 018 90040
4302	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4303	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4304	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4322	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4326	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4369	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4401	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4406	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4407	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4409	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4520	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4522	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4603	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4604	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4607	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4608	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4609	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4610	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4611	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4613	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4632	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4633	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4642	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4645	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4652	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4682	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4683	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4684	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4685	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4686	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4687	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4688	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4689	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4712	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4713	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4714	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4715	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4716	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4717	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4723	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4724	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4726	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4732	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4734	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4792	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4793	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4901	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4902	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4903	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4904	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4905	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4906	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4907	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4908	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4909	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4919	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4920	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4921	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4925	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4927	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4928	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4929	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4935	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4937	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4938	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4939	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4944	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4945	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4946	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4947	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4948	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4949	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4950	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4951	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4952	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4953	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4954	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5301	Coil, 6u8	3198 018 36880
5302	Coil, 6u8	3198 018 36880
5303	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5304	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5305	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5306	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5307	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5308	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5309	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5401	Coil, 390n	3198 018 33970
5406	Coil, 15u	3198 018 31590
5407	Ferrite Bead, 100MHz	2422 535 95427
5408	Variable Coil	2422 549 44875
5409	Ferrite Bead, 100MHz	2422 535 95427
5410	Coil, 1u	3198 018 51080
5412	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5413	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5414	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5651	Ferrite Bead, 100MHz	2422 549 43769
5652	Ferrite Bead, 100MHz	2422 549 43769
5653	Ferrite Bead, 100MHz	2422 549 43769
5654	Inductor, 100MHz, 30 ohm	3198 018 90060
5656	Coil, 6u8	3198 018 36880
5663	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5664	Inductor, 100MHz, 30 ohm	3198 018 90060
5665	Inductor, 100MHz, 30 ohm	3198 018 90060
5701	Inductor, 100MHz, 600 ohm	3198 018 90080
5702	Ferrite Bead, 100MHz	2422 535 95427
5703	Inductor, 100MHz, 30 ohm	3198 018 90060
5705	Ferrite Bead, 100MHz	2422 535 95427
5706	Coil, 5u6	3198 018 35680
5707	Inductor, 100MHz, 600 ohm	3198 018 90040
5711	Inductor, 100MHz, 600 ohm	3198 018 90040
5713	Inductor, 100MHz, 600 ohm	3198 018 90040
5718	Coil, 330n	3198 018 33370
5720	Inductor, 100MHz, 600 ohm	3198 018 90040
5798	Inductor, 100MHz, 30 ohm	3198 018 90060
5799	Inductor, 100MHz, 30 ohm	3198 018 90060
5900	Inductor, 100MHz, 30 ohm	3198 018 90060
5901	Inductor, 100MHz, 30 ohm	3198 018 90060
5902	Inductor, 100MHz, 30 ohm	3198 018 90060
5903	Inductor, 100MHz, 30 ohm	3198 018 90060
5904	Inductor, 100MHz, 30 ohm	3198 018 90060
6003	Diode, BAS316	3198 010 10630
6303	Zener Diode, 47 volt	9322 150 18685
6304	Diode, MCL4148	9322 128 15685
6306	Zener Diode, 5.6 volt	3198 020 55680
6307	Diode, 1PS76SB10	9340 453 90115
6309	Diode, MCL4148	9322 128 15685
6310	Zener Diode, 6.8 volt	3198 020 56880
6311	Zener Diode, 22 volt	3198 020 52290
6312	Diode, MCL4148	9322 128 15685
6313	Zener Diode, 22 volt	3198 020 52290
6314	Diode, MCL4148	9322 128 15685
6315	Diode, MCL4148	9322 128 15685
6316	Diode, MCL4148	9322 128 15685
6317	Diode, MCL4148	9322 128 15685
6319	Diode, MCL4148	9322 128 15685
6652	Zener Diode, 10 volt	3198 020 51090
6654	Diode, BAS316	3198 010 10630
6657	Zener Diode, 2.7 volt	9340 548 43115
6658	Diode, BAS316	3198 010 10630
7001	IC, SAA5677/HL/M1	9352 692 99557
7002	Transistor, PNP, BC857B(COL)	3198 010 42150
7003	Transistor, NPN, BC847BW(COL)	3198 010 42310
7004	Transistor, NPN, BC847BW(COL)	3198 010 42310
7005	IC, LD1117D33	9322 116 74668
7006	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7007	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7009	IC, LD1117D33	9322 116 74668
7012	IC, M24C32	9322 124 74668
7013	Transistor, NPN, PDTC144EU	3198 010 44330
7301	IC, TDA9330H/N2/S2	9352 685 88518
7303	Transistor, NPN, BC857BW(COL)	3198 010 42320

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7304	Transistor, NPN, PDTC144EU	3198 010 44330
7305	Transistor, NPN, BC847BW(COL)	3198 010 42310
7306	Transistor, NPN, BC847BW(COL)	3198 010 42310
7308	Transistor, NPN, PDTC144EU	3198 010 44330
7309	Transistor, NPN, PDTC144EU	3198 010 44330
7310	Transistor, NPN, PDTC144EU	3198 010 44330
7311	Transistor, NPN, BC847BW(COL)	3198 010 42310
7312	Transistor, NPN, BC847BW(COL)	3198 010 42310
7313	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7314	Transistor, NPN, BC847BW(COL)	3198 010 42310
7315	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7318	Transistor, NPN, BC857BW(COL)	3198 010 42320
7320	Transistor, NPN, BC847BW(COL)	3198 010 42310
7322	Transistor, NPN, BC847BW(COL)	3198 010 42310
7323	IC, TDA9321H/N2	9352 625 24518
7324	Transistor, NPN, BC847CW	9340 217 80115
7375	Transistor, NPN, BC847BW(COL)	3198 010 42310
7410	Transistor, NPN, BC847BW(COL)	3198 010 42310
7411	Transistor, NPN, BC847B(COL)	3198 010 42030
7413	Transistor, NPN, BFS20	9330 921 11215
7651	IC, MSP3451G-FH-B8-V3	9322 183 41702
7664	Transistor, NPN, BC847BPN	9340 425 30115
7665	Transistor, NPN, BC847BPN	9340 425 30115
7668	Transistor, NPN, BC857BW(COL)	3198 010 42320
7675	Transistor, NPN, BC847BS	9340 425 20115
7678	Transistor, NPN, BC847BS	9340 425 20115
7701	Transistor, NPN, BC857BW(COL)	3198 010 42320
7702	Transistor, NPN, BC847BW(COL)	3198 010 42310
7704	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7708	IC, SAA4990H	9352 067 50557
7709	IC, SAA4978H/V204	9352 688 09557
7714	IC, MSM54V12222B-25JS	9322 183 81668
7715	IC, MSM54V12222B-25JS	9322 183 81668
7716	32 Pin IC Socket	2422 486 80938
7716	IC, M87C257-90C1	9322 130 45668
7717	IC, ROM, M87C257	3104 317 03241
7799	Software Package, FBX PICNIC	3104 317 43241
8302	Cable, 2 Pin, 180mm	3104 311 03031
8303	Cable, 5 Pin, 400mm	3104 311 05381
8304	Cable, 7 Pin, 280mm	3104 311 03241
8680	Cable, 6 Pin, 340mm	3104 311 03231

3D Comb Filter

	3D Comb Filter	
CBA	3D Comb Filter	3135 037 10301
1001	Crystal, 20MHz	2422 543 01273
1104	5 Pin Board Connector	2422 025 15848
1303	6 Pin Board Connector	2422 025 10428
1951	5 Pin Board Connector	2422 025 15848
2000	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2001	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2002	Cap, 47u, 20%, 20v, Electrolytic	3198 032 58170
2003	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2004	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2006	Cap, 47u, 20%, 20v, Electrolytic	3198 032 58170
2008	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2009	Cap, 1u, 20%, 50v, Electrolytic	3198 030 81080
2010	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2011	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2012	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2013	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
2014	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2015	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2016	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
2017	Cap, 150p, 5%, 50v, Ceramic	3198 016 31510
2018	Cap, 150p, 5%, 50v, Ceramic	3198 016 31510
2019	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2020	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2021	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2022	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2023	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2024	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2026	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2029	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2032	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2033	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2034	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2035	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2036	Cap, 1u, 20%, 50v, Electrolytic	3198 030 81080
2037	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2041	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2042	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2043	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
2044	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2045	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2046	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
2047	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2048	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2049	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
2051	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2052	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2053	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2054	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2055	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2056	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2057	Cap, 150p, 5%, 50v, Ceramic	3198 016 31510
2059	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2061	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2062	Cap, 150p, 5%, 50v, Ceramic	3198 016 31510
2063	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2064	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2065	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2066	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2067	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2068	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2069	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2070	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
3000	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3001	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3002	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3003	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3004	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3005	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3006	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3007	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3008	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3009	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3010	Res, 5K6, 5%, 1/16W, Metalized Glass	3198 021 35620
3011	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3012	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3013	Res, 2K7, 5%, 1/16W, Metalized Glass	3198 021 32720
3014	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3015	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3016	Res, 33 ohm, 5%, 1/16W, Metalized Glass	3198 021 33390
3017	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
3018	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3019	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3020	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3021	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3022	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3023	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3024	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3025	Res, 5K6, 5%, 1/16W, Metalized Glass	3198 021 35620
3026	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3027	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3028	Res, 2K7, 5%, 1/16W, Metalized Glass	3198 021 32720
3029	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3030	Res, 820 ohm, 5%, 1/16W, Metalized Glas	3198 021 38210
3031	Res, 12K, 5%, 1/16W, Metalized Glass	3198 021 31230
3032	Res, 12K, 5%, 1/16W, Metalized Glass	3198 021 31230
3033	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3034	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3035	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3036	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
3037	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3038	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3039	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3040	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3041	Res, 820 ohm, 5%, 1/16W, Metalized Glas	3198 021 38210
3042	Res, 3K3, 1%, 1/16W, Metalized Glass	2322 704 73302
3043	Res, 1K5, 5%, 1/16W, Metalized Glass	3198 021 31520
3044	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3055	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3056	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
3057	Res, 2K2, 5%, 1/16W, Metalized Glass	3198 021 32220
3058	Res, 220K, 5%, 1/16W, Metalized Glass	3198 021 32240
3059	Res, 27K, 5%, 1/16W, Metalized Glass	3198 021 32730
3060	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3061	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3065	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3067	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3068	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3069	Res, 100K, 5%, 1/16W, Metalized Glass	3198 021 31040
3071	Res, 1K5, 5%, 1/16W, Metalized Glass	3198 021 31520
3072	Res, 2K7, 5%, 1/16W, Metalized Glass	3198 021 32720
3073	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3074	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3076	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
3077	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3082	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3083	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3085	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3088	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
3089	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3091	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3095	Res, 100K, 5%, 1/16W, Metalized Glass	3198 021 31040
3096	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3097	Res, 1K8, 5%, 1/16W, Metalized Glass	3198 021 31820
3098	Res, 5K6, 5%, 1/16W, Metalized Glass	3198 021 35620

32PT830H37A (continued)

	3099	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3100	Res, 1K, 5%, 1/16W, Metalized Glass.	3198 021 31020
	3101	Res, 1K, 5%, 1/16W, Metalized Glass.	3198 021 31020
	3102	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S	3103	Res, PTC, Overload Protection.	2122 662 00139
S	3104	Res, PTC, Overload Protection.	2122 662 00139
	3105	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
	5000	Coil, 100MHz, 120 ohm.	3198 018 90070
	5001	Coil, 100MHz, 120 ohm.	3198 018 90070
	5003	Filter, 14.3MHz.	2422 549 44784
	5004	Filter, 14.3MHz.	2422 549 44784
	5005	Coil, 10u.	3198 018 41090
	5006	Filter, 14.3MHz.	2422 549 44785
	5007	Coil, 10u.	3198 018 41090
	5008	Coil, 22u.	3198 018 72290
	5009	Coil, 22u.	3198 018 72290
	5010	Coil, 15u.	2422 535 94758
	5011	Coil, 100MHz, 120 ohm.	3198 018 90070
	5012	Coil, 100MHz, 120 ohm.	3198 018 90070
	5013	Coil, 100MHz, 120 ohm.	3198 018 90070
	5014	Inductor, 100MHz, 30 ohm	3198 018 90060
	5015	Inductor, 100MHz, 30 ohm	3198 018 90060
	5017	Coil, 100MHz, 120 ohm.	3198 018 90070
	5019	Coil, 10u.	3198 018 41090
	5020	Coil, 10u.	3198 018 41090
	5021	Coil, 100MHz, 120 ohm.	3198 018 90070
	5022	Coil, 100MHz, 120 ohm.	3198 018 90070
	5024	Coil, 100MHz, 120 ohm.	3198 018 90070
	5025	Coil, 100MHz, 120 ohm.	3198 018 90070
	5027	Coil, 100MHz, 120 ohm.	3198 018 90070
	5028	Coil, 100MHz, 120 ohm.	3198 018 90070
	5029	Coil, 100MHz, 120 ohm.	3198 018 90070
	5030	Coil, 100MHz, 120 ohm.	3198 018 90070
	6000	Diode, BAV99	3198 010 10620
	6001	Diode, BAV99	3198 010 10620
	6002	Diode, BAV99	3198 010 10620
	6003	LED, TLMH3100.	9322 072 71685
	6004	Diode, Rect, SM S1D	9322 128 69685
	6005	Diode, Rect, SM S1D	9322 128 69685
	6006	Diode, 1PS76SB10	9340 453 90115
	6007	Diode, BAS17	9335 262 30215
	7000	Transistor, NPN, BC847B.	9335 895 90215
	7001	Transistor, PNP, BC857B.	9335 897 60215
	7002	Transistor, NPN, BF570	9338 144 20215
	7003	Transistor, PNP, BC857B.	9335 897 60215
	7004	Transistor, NPN, BC847B.	9335 895 90215
	7005	Transistor, PNP, BC857B.	9335 897 60215
	7006	Transistor, NPN, BF570	9338 144 20215
	7007	Transistor, PNP, BC857B.	9335 897 60215
	7008	Transistor, NPN, BC847B.	9335 895 90215
	7009	Transistor, PNP, BC857B.	9335 897 60215
	7010	Transistor, NPN, BC847B.	9335 895 90215
	7011	Transistor, NPN, BC847B.	9335 895 90215
	7012	Transistor, PNP, BF550	9334 509 00215
	7015	Transistor, NPN, BC847B.	9335 895 90215
	7016	Transistor, PNP, BC857B.	9335 897 60215
	7017	Transistor, NPN, BC847B.	9335 895 90215
	7019	IC, LM809M3X	9322 163 48668
	7020	Transistor, NPN, BC847B.	9335 895 90215
	7021	IC, LD1117DT33	9322 134 45668
	7022	IC, LD1117DT25	9322 160 50668
	7023	IC, UPD64083GF	9322 170 65671

Side A/V Panel

		Side A/V Panel	
	CBA	Side A/V Panel	3139 137 26291
	0240	11 Pin Board Connector	2422 025 12485
	1254	Headphone Jack	2422 026 04747
	1255	3 Pin Cinch Jack	2422 026 04815
	1256	SVHS Jack.	2422 026 04926
	2286	Cap, 150p, 10%, 50v, Ceramic	3198 019 11510
	2288	Cap, 150p, 10%, 50v, Ceramic	3198 019 11510
	2292	Cap, 470p, 10%, 50v, Ceramic	3198 019 14710
	2294	Cap, 470p, 10%, 50v, Ceramic	3198 019 14710
	2296	Cap, 4n7, +80/-20%, 50v, Ceramic	3198 019 24720
	2297	Cap, 4n7, +80/-20%, 50v, Ceramic	3198 019 24720
	3285	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3286	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 011 01090
	3287	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3288	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 011 01090
	3289	Res, 1K8, 5%, 1/6W, Carbon Film.	3198 011 01820
	3291	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3292	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3293	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3294	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3295	Res, 3K9, 5%, 1/6W, Carbon Film.	3198 011 03920
	3296	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3297	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	4241	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4243	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	6291	Zener Diode, 12 volt	3198 020 51290
	6292	Zener Diode, 12 volt	3198 020 51290
	6293	Zener Diode, 12 volt	3198 020 51290
	6294	Zener Diode, 12 volt	3198 020 51290
	6296	Zener Diode, 12 volt	3198 020 51290
	6297	Zener Diode, 12 volt	3198 020 51290
	9231	Wire Jumper.	3198 036 90010
	9232	Wire Jumper.	3198 036 90010

Top Control Panel

		Top Control Panel	
	CBA	Top Control Panel.	3139 178 60461
	0215	3 Pin Board Connector.	2422 025 09191
	1091	Switch	2422 128 02742
	1092	Switch	2422 128 02742
	1093	Switch	2422 128 02742
	1094	Switch	2422 128 02742
	3088	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3089	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3091	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
	3092	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3093	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
	3094	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3095	Res, 3K3, 5%, 1/16W, Metalized Glass	3198 021 33320
	3096	Res, 1K5, 5%, 1/16W, Metalized Glass	3198 021 31520
	4092	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	6092	Diode, BAT254.	9340 393 00115

Top Control Panel

Top Control Panel

DC Shift Panel

		DC Shift Panel	
	CBA	DC Shift Panel	3104 328 12141
	0317	2 Pin Board Connector.	4822 265 20723
	0318	2 Pin Board Connector.	4822 265 20723
S	1430	Fuse, 400MA, 65V	2422 086 10581
	2430	Cap, 470p, 10%, 500V, Ceramic.	4822 122 31177
	2431	Cap, 470p, 10%, 500V, Ceramic.	4822 122 31177
	5430	DC Shift Coil.	3128 138 38911
	6432	Diode, Rect, BYD33V.	9340 317 00133
	6433	Diode, Rect, BYD33V.	9340 317 00133

DAF Panel

		DAF Panel	
	CBA	DAF Panel.	3104 328 20672
	1417	2 Pin Board Connector.	2422 025 16269
	1418	2 Pin Board Connector.	2422 025 16374
	1419	2 Pin Board Connector.	2422 025 16269
	1492	3 Pin Board Connector.	2422 025 16382
	1497	Contact Pin.	2422 015 18552
	1693	Contact Pin.	2422 034 20021
	2800	Cap, 330p, 5%, 2000v, Polypropylene.	2222 375 90495
	2809	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2812	Cap, 10n, 5%, 2000v, Polypropylene	2222 375 90175
	2813	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2814	Cap, 1n, 5%, 2000v, Polypropylene.	2222 375 90225
	2818	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2820	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
	2821	Cap, 68n, 5%, 400v, Metalized Polypropy lene	2222 479 90166
	2822	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
	2823	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
	2824	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2825	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2890	Cap, 390p, 5%, 2000v, Polypropylene.	2222 375 90188
	2892	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
S	3807	Res, 15 ohm, 5%, 1/3W, Metal Film.	2306 204 03159
S	3808	Res, 15 ohm, 5%, 1/3W, Metal Film.	2306 204 03159
S	3809	Res, 10 ohm, 5%, 1/3W, Metal Film.	2306 204 03109
	3810	Res, 470K, 5%, 1/2W, Metalized Glass	2322 242 13474
	3811	Res, 4M7, 5%, 1/4W, Metalized Glass.	2322 241 53475
	3812	Res, 27K, 5%, 1/6W, Carbon Film.	3198 011 02730
	3813	Res, 470K, 5%, 1/6W, Carbon Film	3198 011 04740
	3814	Res, 100K, 5%, 1/4W, Metalized Glass	2322 241 53104
	3815	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3816	Res, 6K8, 5%, 1/6W, Carbon Film.	3198 011 06820
	3818	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3819	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3820	Res, 3K3, 5%, 1/10W, Metalized Glass	3198 021 53320
	3821	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3822	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3823	Res, 1K8, 5%, 1/10W, Metalized Glass	3198 021 51820
	3824	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3826	Res, 12K, 5%, 1/10W, Metalized Glass	3198 021 51230
	3827	Res, 5K6, 5%, 1/10W, Metalized Glass	3198 021 55620
	3830	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3831	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3832	Res, 1K8, 5%, 1/10W, Metalized Glass	3198 021 51820
	3833	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
S	3898	VDR, 1100V	2322 592 14217
S	3899	VDR, 1100V	2322 592 14217
	3998	Res, 330 ohm, 5%, 1/6W, Carbon Film.	3198 011 03310
S	5800	Transformer, DAF, S21975-03.	2422 531 02437

S = Safety Part   Be sure to use exact replacement part.

	Ref	Description	Part No.
	5801	Transformer, Self Correction	3128 138 38881
	5810	Bridge Coil	3128 138 40042
	6810	Diode, Rect, BYD33V	9340 317 00133
	6812	Zener Diode, 22 volt	3198 010 22290
	7810	Power FET, STP3NB80FP	9322 136 03687
	7818	Transistor, NPN, BC847B(COL)	3198 010 42030
	7820	Transistor, NPN, BC847B(COL)	3198 010 42030
	7821	Transistor, PNP, BC857B(COL)	3198 010 42150
	7822	Transistor, NPN, BC847B(COL)	3198 010 42030
	7823	Transistor, PNP, BC857B(COL)	3198 010 42150
	9805	Wire Jumper	3198 036 90010

Mains/Front Interface Panel

	Ref	Description	Part No.
		Mains/Front Interface Panel	
	CBA	Mains/Front Interface Panel	3139 178 65661
	0214	5 Pin Board Connector	2422 025 06353
	1000	Switch	2422 128 02742
	1002	IR Receiver, TSOP1836UH	9322 127 54667
S	1008	LED	9322 050 99682
	2001	Cap, 100u, 20%, 25v, Electrolytic	3198 025 31010
	2002	Cap, 10n, +80/-20%, 50v, Ceramic	3198 019 21030
	3001	Res, 470 ohm, 5%, 1/6W, Carbon Film	3198 011 04710
	3003	Res, 1K8, 5%, 1/6W, Carbon Film	3198 011 01820
	3004	Res, 220 ohm, 5%, 1/6W, Carbon Film	3198 011 02210

2 Tuner PIP Panel

2 Tuner PIP Panel

High Definition Jack Panel

	Ref	Description	Part No.
		High Definition Jack Panel	
	CBA	High Definition Jack Panel	3121 238 00161
	1104	5 Pin Board Connector	2422 025 06353
	1304	7 Pin Board Connector	2422 025 10776
	1680	6 Pin Board Connector	2422 025 10183
	1990	15 Pin Board Connector	2422 025 16257
	1991	2 Pin Cinch Jack	2422 026 04758
	1993	3 Pin Cinch Jack	2422 026 05079
	2101	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2102	Cap, 470n, +80/-20%, 16v, Ceramic	3198 017 24740
	2103	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2104	Cap, 470n, +80/-20%, 16v, Ceramic	3198 017 24740
	2105	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2107	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2109	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2111	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2113	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2115	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2117	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2119	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2121	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2125	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2127	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2130	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2131	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2132	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2133	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2134	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
	2135	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
	2400	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2403	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2404	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2405	Cap, 22u, 20%, 16v, Electrolytic	3198 028 22290
	2406	Cap, 22u, 20%, 16v, Electrolytic	3198 028 22290
	2407	Cap, 22u, 20%, 16v, Electrolytic	3198 028 22290
	2408	Cap, 100u, 20%, 10v, Electrolytic	3198 028 11010
	2700	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2701	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2702	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2703	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2704	Cap, 220p, 5%, 50v, Ceramic	3198 016 02210
	2705	Cap, 220p, 5%, 50v, Ceramic	3198 016 02210
	2706	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2707	Cap, 22n, 10%, 50v, Ceramic	3198 017 02230
	2713	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2714	Cap, 220p, 5%, 50v, Ceramic	3198 016 02210
	2715	Cap, 220p, 5%, 50v, Ceramic	3198 016 02210
	2900	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
	2901	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
	2904	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2905	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2914	Cap, 22u, 20%, 16v, Electrolytic	3198 028 22290
	2928	Cap, 22u, 20%, 16v, Electrolytic	3198 028 22290
	3100	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3101	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3102	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3103	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3104	Res, 2K2, 5%, 1/10W, Metalized Glass	3198 021 52220
	3105	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3106	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3107	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3108	Res, 100K, 5%, 1/10W, Metalized Glass	3198 021 51040
	3109	Res, 100K, 5%, 1/10W, Metalized Glass	3198 021 51040
	3110	Res, 100K, 5%, 1/10W, Metalized Glass	3198 021 51040
	3111	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3112	Res, 100K, 5%, 1/10W, Metalized Glass	3198 021 51040
	3124	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3125	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3126	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3127	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3129	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3130	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3131	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3132	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3133	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3140	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3141	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3142	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3143	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3144	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3145	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3150	Res, 22 ohm, 5%, 1/10W, Metalized Glass	3198 021 52290
	3151	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3401	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
	3402	Res, 1K3, 1%, 1/8W, Metalized Glass	2322 734 61302
	3403	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
	3404	Res, 1K3, 1%, 1/8W, Metalized Glass	2322 734 61302
	3405	Res, 1K8, 5%, 1/10W, Metalized Glass	3198 021 51820
	3406	Res, 1K3, 1%, 1/8W, Metalized Glass	2322 734 61302
	3407	Res, 1K3, 1%, 1/8W, Metalized Glass	2322 734 61302
	3408	Res, 1K8, 5%, 1/10W, Metalized Glass	3198 021 51820
	3409	Res, 1K5, 5%, 1/10W, Metalized Glass	3198 021 51520
	3410	Res, 820 ohm, 5%, 1/10W, Metalized Glas	3198 021 58210
	3411	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
	3412	Res, 1K5, 5%, 1/10W, Metalized Glass	3198 021 51520
	3413	Res, 1K1, 1%, 1/8W, Metalized Glass	2322 734 61102
	3414	Res, 620 ohm, 1%, 1/8W, Metalized Glass	2322 734 66201
	3415	Res, 620 ohm, 1%, 1/8W, Metalized Glass	2322 734 66201
	3416	Res, 1K1, 1%, 1/8W, Metalized Glass	2322 734 61102
	3417	Res, 1K3, 1%, 1/8W, Metalized Glass	2322 734 61302
	3419	Res, 2K, 1%, 1/8W, Metalized Glass	2322 734 62002
	3420	Res, 1K2, 5%, 1/10W, Metalized Glass	3198 021 51220
	3421	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
	3422	Res, 3K, 1%, 1/8W, Metalized Glass	2322 734 63002
	3423	Res, 1K, 1%, 1/8W, Metalized Glass	2322 734 61002
	3424	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3426	Res, 1K, 1%, 1/8W, Metalized Glass	2322 734 61002
	3427	Res, 1K3, 1%, 1/8W, Metalized Glass	2322 734 61302
	3428	Res, 910 ohm, 1%, 1/8W, Metalized Glass	2322 734 69101
	3429	Res, 2K7, 5%, 1/10W, Metalized Glass	3198 021 52720
	3430	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3431	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3433	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3434	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3435	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3436	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3701	Res, 330K, 5%, 1/10W, Metalized Glass	3198 021 53340
	3702	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3703	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3704	Res, 8K2, 5%, 1/10W, Metalized Glass	3198 021 58220
	3705	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3707	Res, 680 ohm, 5%, 1/10W, Metalized Glas	3198 021 56810
	3715	Res, 82K, 5%, 1/10W, Metalized Glass	3198 021 58230
	3716	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3717	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3718	Res, 120K, 5%, 1/8W, Metalized Glass	2322 730 61124
	3900	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
	3901	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
	3902	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
	3903	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3904	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3905	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3906	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3909	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3910	Res, 6K8, 5%, 1/10W, Metalized Glass	3198 021 56820
	3911	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3912	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3913	Res, 6K8, 5%, 1/10W, Metalized Glass	3198 021 56820
	3914	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3915	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3916	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3917	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
S	3940	Res, 3R9, 5%, 1/8W, Metalized Glass	2322 750 63908
S	3941	Res, 3R3, 5%, 1/8W, Metalized Glass	2322 750 63308
	3999	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	4701	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	6400	Zener Diode, 3.9 volt	3198 020 53980
	6700	Diode, 1PS76SB10	9340 453 90115
	6701	Diode, 1PS76SB10	9340 453 90115
	6703	Diode, 1PS76SB10	9340 453 90115
	6900	Zener Diode, 6.8 volt	3198 020 56880
	6901	Zener Diode, 6.8 volt	3198 020 56880
	6902	Zener Diode, 6.8 volt	3198 020 56880
	6903	Zener Diode, 6.8 volt	3198 020 56880
	6904	Zener Diode, 6.8 volt	3198 020 56880

	Ref	Description	Part No.
	6905	Zener Diode, 6.8 volt	3198 020 56880
	6906	Zener Diode, 6.8 volt	3198 020 56880
	6907	Zener Diode, 6.8 volt	3198 020 56880
	6908	Zener Diode, 6.8 volt	3198 020 56880
	6909	Zener Diode, 6.8 volt	3198 020 56880
	6914	Zener Diode, 6.8 volt	3198 020 56880
	6915	Zener Diode, 6.8 volt	3198 020 56880
	6916	Zener Diode, 6.8 volt	3198 020 56880
	6917	Zener Diode, 6.8 volt	3198 020 56880
	7101	IC, TDA8601T/C1	9351 538 90518
	7102	IC, 74HC4052D	9337 148 30653
	7105	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
	7106	IC, M62320FP	9322 127 15668
	7107	IC, TDA8601T/C1	9351 538 90518
	7108	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
	7109	Transistor, PNP, BC857B(COL)	3198 010 42150
	7110	Transistor, NPN, BC847B(COL)	3198 010 42030
	7400	IC, TSH93ID	9322 145 66668
	7450	IC, TSH93ID	9322 145 66668
	7451	Transistor, NPN, BC847B(COL)	3198 010 42030
	7452	Transistor, NPN, BC847B(COL)	3198 010 42030
	7453	Transistor, NPN, BC847B(COL)	3198 010 42030
	7700	IC, LM1881M	9322 005 78668
	7713	Transistor, NPN, BC847B(COL)	3198 010 42030
	7750	IC, 74HCT4538D	9337 153 90118
	7751	IC, 74HCT4538D	9337 153 90118

Front I/O Panel

Front I/O Panel

YPbPr 1FH Interface + Expander

YPbPr 1FH Interface + Expander

	Ref	Description	Part No.
	CBA	YPbPr 1FH Interface + Expander	3104 328 10862
	0025	Contact Pin	2422 034 20021
	0224	5 Pin Board Connector	2422 025 06353
	1933	4 Pin Board Connector	2422 025 12489
	1934	6 Pin Board Connector	2422 025 10738
	2801	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2803	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2805	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2810	Cap, 100u, 20%, 25v, Electrolytic	3198 025 31010
	2811	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	3801	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3802	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
	3803	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
	3804	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3805	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3806	Res, 180 ohm, 5%, 1/10W, Metalized Glas	3198 021 51810
	3807	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3808	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3811	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3812	Res, 68K, 5%, 1/10W, Metalized Glass	3198 021 56830
	3813	Res, 39K, 5%, 1/10W, Metalized Glass	3198 021 53930
	3814	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3815	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3816	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3817	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3818	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3819	Res, 3R9, 5%, 1/8W, Metalized Glass	2322 750 63908
	3821	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3822	Res, 68K, 5%, 1/10W, Metalized Glass	3198 021 56830
	3823	Res, 39K, 5%, 1/10W, Metalized Glass	3198 021 53930
	3824	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3825	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3826	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3827	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3828	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3830	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3831	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3899	Res, 75 ohm, 5%, 1/10W, Metalized Glass	3198 021 57590
	4801	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4802	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4803	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4804	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	7800	Transistor, NPN, BC847B(COL)	3198 010 42030
	7801	Transistor, PNP, BC857B(COL)	3198 010 42150
	7802	Transistor, NPN, BC847B(COL)	3198 010 42030
	7803	Transistor, PNP, BC857B(COL)	3198 010 42150
	7804	Transistor, NPN, BC847B(COL)	3198 010 42030
	7805	Transistor, PNP, BC857B(COL)	3198 010 42150
	7806	IC, M62320FP	9322 127 15668
	9000	Wire Jumper	3198 036 90010
	9001	Wire Jumper	3198 036 90010
	9002	Wire Jumper	3198 036 90010
	9403	Wire Jumper	3198 036 90010
	9404	Wire Jumper	3198 036 90010
	9405	Wire Jumper	3198 036 90010
	9406	Wire Jumper	3198 036 90010
	9407	Wire Jumper	3198 036 90010
	9408	Wire Jumper	3198 036 90010
	9409	Wire Jumper	3198 036 90010
	9410	Wire Jumper	3198 036 90010
	9411	Wire Jumper	3198 036 90010

Cabinet Parts

Cabinet Parts

	Ref	Description	Part No.
	AC01	Nameplate	3104 300 11991
	AC02	Anode Lead Clip	3135 014 04471
	AC04	Degaussing Coil Bracket (4 used)	3139 124 32812
S	AC05	Degaussing Coil	2422 549 44676
	AC06	Light Guide	3139 124 30411
	AC07	Power Button Cover	3139 124 32921
	AC07	Power Button Shaft	3139 124 32791
	AC08	Top Control Button	3139 124 30391
	AC09	Top Control Bracket	3139 124 33941
	AC10	Front Interface Bracket	3139 124 32891
	AC11	Chassis Frame	3104 304 22832
	AC13	DAF DC Shift Bracket	3104 304 23951
	AC14	Connector, Support Bracket	3104 304 21603
	AC16	3D Comb Filter Bracket	3139 124 40621
	AC17	LOT-SSB Support	3104 304 21114
	AC18	LOT Spacer	3104 304 22031
	AC19	Side A/V Bracket	3139 124 32801
	AC20	SSB Shielding, Bottom	3104 301 23963
	AC21	SSB Shielding, Top	3104 301 24111
	AC22	SSB Shielding, Frame	3104 301 24124
	AC24	Cabinet Back	3139 124 45581
	AC25	Speaker, 10W, 8 ohm (2 Used)	3139 128 76061
S	AC26	CRT, A80ERF042X45	9301 927 20539
	AC27	Cabinet Front	3139 177 61681
	AC29	Insulator Plate	3104 304 90361
	AC30	SSB Snap	3104 304 24111
	AC32	Owner's Manual (French)	3121 235 21021
	AC32	Owner's Manual (Spanish)	3121 235 21041
	AC32	Owner's Manual (English)	3121 235 20861
S	AC33	AC Power Cord	3135 010 03831
	AC34	Batteries for Remote Control Transmitte	9299 000 10137
	AC35	Quick Use Guide (English)	3121 233 44001
	AC35	Quick Use Guide (Spanish)	3121 233 44381
	AC35	Quick Use Guide (French)	3121 233 44271
	AC38	Cabinet Front Assembly (Shown Exploded)	3121 237 53201
	AC39	Torx Driver - T10 7" length	4935 395 17249
	AC40	Torx Driver - T10 10" length	4835 395 97018
	REMOTE	Remote Control Transmitter, RCEU023/02	3139 128 76712

CRT Panel

CRT Panel

	Ref	Description	Part No.
	CBA	CRT Panel	3139 187 28651
	0224	7 Pin Board Connector	2422 025 11244
S	0235	Ground Clip	3104 301 08281
	0236	Contact Pin	2422 015 18552
S	0298	10 Pin CRT Socket	2422 500 80063
	0340	11 Pin Board Connector	2422 025 12485
	0383	3 Pin Board Connector	2412 020 00725
	2103	Cap, 330p, 5%, 50v, Ceramic	3198 016 33310
	2104	Cap, 330p, 5%, 50v, Ceramic	3198 016 33310
	2105	Cap, 330p, 5%, 50v, Ceramic	3198 016 33310
	2118	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
	2300	Cap, 22u, 20%, 100v, Electrolytic	3198 025 72290
	2301	Cap, 220u, 20%, 16v, Electrolytic	3198 025 22210
	2302	Cap, 10p, 5%, 50v, Ceramic	3198 016 01090
	2303	Cap, 470p, 5%, 50v, Ceramic	3198 016 34710
	2304	Cap, 22n, 10%, 100v, Metalized Polyeste	2222 365 85223
	2306	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2307	Cap, 22n, 10%, 50v, Ceramic	3198 017 02230
	2308	Cap, 15p, 5%, 50v, Ceramic	3198 016 01590
	2309	Cap, 22n, 10%, 50v, Ceramic	3198 017 02230
	2310	Cap, 18p, 5%, 50v, Ceramic	3198 016 01890
	2312	Cap, 22p, 5%, 50v, Ceramic	3198 016 02290
	2313	Cap, 100u, 20%, 250v, Electrolytic	2022 031 00211
	2315	Cap, 120p, 5%, 50v, Ceramic	3198 016 01210
	2316	Cap, 100n, 10%, 250v, Metalized Polyester	2020 308 90143
	2317	Cap, 1n2, 5%, 2000v, Polypropylene	2222 375 90226
	2318	Cap, 22n, +80/-20%, 50v, Ceramic	3198 017 22230
	2319	Cap, 10n, +80/-20%, 50v, Ceramic	3198 019 21030
	2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2337	Cap, 100p, 5%, 50v, Ceramic	3198 016 31010
	2409	Cap, 470n, +80/-20%, 10v, Ceramic	3198 017 44740
	2410	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2420	Cap, 470n, +80/-20%, 10v, Ceramic	3198 017 44740
	3106	Res, 1K8, 1%, 1/16W, Metalized Glass	2322 704 61802
	3107	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3109	Res, 1K8, 1%, 1/16W, Metalized Glass	2322 704 61802
	3110	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3111	Trim Pot, 470 ohm, 25%	2120 358 90538
	3113	Res, 1K8, 1%, 1/16W, Metalized Glass	2322 704 61802
	3114	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3115	Trim Pot, 470 ohm, 25%	2120 358 90538
	3116	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3117	Res, 2K7, 1%, 1/16W, Metalized Glass	2322 704 62702
	3118	Res, 2K2, 1%, 1/16W, Metalized Glass	2322 704 62202
	3119	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322 704 61801

32PT830H37A (continued)

	3120	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322 704 61801
	3121	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322 704 61801
	3122	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3123	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3124	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3125	Trim Pot, 470 ohm, 25%	2120 358 90538
S	3300	Res, 5R6, 5%, 1/3W, Metal Film	2306 204 03568
	3301	Res, 10K, 5%, 2 1/2W, Metal Film . . .	2322 195 63103
	3303	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3304	Res, 1K2, 5%, 1/10W, Metalized Glass .	3198 021 51220
	3307	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3308	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3309	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
	3310	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3311	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3312	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3315	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3316	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3317	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3318	Res, 15 ohm, 5%, 1/10W, Metalized Glass	3198 021 51590
	3319	Res, 1K2, 5%, 1/10W, Metalized Glass .	3198 021 51220
	3320	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3334	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3338	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
	3339	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
	3340	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
S	3341	Res, 100 ohm, 5%, 1/3W, Metal Film . .	2306 204 03101
	3342	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3343	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
	3345	Res, 33 ohm, 5%, 1/6W, Carbon Film . .	3198 011 03390
	3347	Res, 1K5, 20%, 1/2W, Carbon Film . . .	3198 013 01520
	3348	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
	3349	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
	3350	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3351	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3352	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3353	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
	3355	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3356	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3357	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3358	Res, 1K5, 5%, 1/10W, Metalized Glass .	3198 021 51520
	3359	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3366	Voltage Dependent Resistor	2322 593 13507
	3375	Res, 100K, 1%, 3/5W, Metal Film. . . .	2312 915 11004
	3376	Res, 100K, 1%, 3/5W, Metal Film. . . .	2312 915 11004
	3377	Res, 100K, 1%, 3/5W, Metal Film. . . .	2312 915 11004
	3378	Res, 4R7, 5%, 1/16W, Metalized Glass .	3198 021 34780
	3379	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
	3398	Res, 18K, 5%, 1/6W, Carbon Film. . . .	3198 011 01830
	3405	Res, 39 ohm, 5%, 1/4W, Carbon Film . .	2120 101 74399
S	3412	Res, 15 ohm, 5%, 1/8W, Metalized Glass	2322 750 61509
	3413	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3414	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3416	Res, 39 ohm, 5%, 1/4W, Carbon Film . .	2120 101 74399
	4115	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	4301	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4302	Res, Zero ohm, "Chip" Jumper	3198 021 90030
S	5300	Transformer, S13974-03	3104 308 20571
	6100	Zener Diode, 5.6 volt.	3198 020 55680
	6305	Diode, BAS321.	9340 553 52115
	6306	Diode, BAS321.	9340 553 52115
	6307	Diode, BAS321.	9340 553 52115
	6308	Diode, MCL4148	9322 128 15685
	6309	Diode, MCL4148	9322 128 15685
	7300	Transistor, NPN, BF199	9330 634 20126
	7301	Transistor, NPN, BFS20	9330 921 11215
	7302	Transistor, PNP, 2SA1358	9322 166 55682
	7303	Transistor, NPN, 2SC3421	9322 166 56682
	7304	Transistor, PNP, BF824	9337 223 50215
	7307	IC, TDA6103Q/N3.	9352 079 80112
	7308	Transistor, NPN, BFS20	9330 921 11215
	9301	Wire Jumper.	3198 036 90010
	9302	Wire Jumper.	3198 036 90010
	9305	Wire Jumper.	3198 036 90010
	9307	Wire Jumper.	3198 036 90010
	9308	Wire Jumper.	3198 036 90010
	9309	Wire Jumper.	3198 036 90010
	9313	Wire Jumper.	3198 036 90010
	9314	Wire Jumper.	3198 036 90010
	9316	Wire Jumper.	3198 036 90010
	9317	Wire Jumper.	3198 036 90010
	9318	Wire Jumper.	3198 036 90010
	9321	Wire Jumper.	3198 036 90010
	9322	Wire Jumper.	3198 036 90010
	9323	Wire Jumper.	3198 036 90010
	9324	Wire Jumper.	3198 036 90010
	9325	Wire Jumper.	3198 036 90010
	9326	Wire Jumper.	3198 036 90010
	9330	Wire Jumper.	3198 036 90010
	9333	Wire Jumper.	3198 036 90010
	9336	Wire Jumper.	3198 036 90010
	9337	Wire Jumper.	3198 036 90010
	9401	Wire Jumper.	3198 036 90010
	9403	Wire Jumper.	3198 036 90010

S = Safety Part   Be sure to use exact replacement part.

32PT842H37A - Manual no. 7644

Large Signal Panel

		Large Signal Panel	
	CBA	Large Signal Panel	3104 328 25191
S	0010	2 Pin Board Connector	2422 025 16374
S	0020	2 Pin Board Connector	2422 025 16375
	0150	Fuse Holder	2422 088 00271
	0153	Fuse Holder	2422 088 00271
	0203	4 Pin Board Connector	2422 025 04852
	0204	6 Pin Board Connector	2422 025 04854
	0317	2 Pin Board Connector	2422 025 16269
	0324	7 Pin Board Connector	2422 025 04855
	0325	3 Pin Board Connector	2422 025 16382
	0390	3 Pin Board Connector	2412 020 00725
	0391	Contact Pin	2422 015 18552
	0392	3 Pin Board Connector	2422 025 04851
	1001	Spark Gap	2422 549 42349
S	1002	Relay, 5 Amp, 5V	2422 132 07411
	1200	Tuner	2422 542 90115
S	1401	Fuse, T315MA, 250V	2422 086 10465
S	1501	Fuse, T6A3, 250V	2422 086 00194
S	1503	Fuse, F2A5, 250V	2422 086 10987
	1735	3 Pin Board Connector	2422 025 16407
	1736	3 Pin Board Connector	2422 025 16382
	1900	12 Pin Cinch Jack	2422 026 05064
	1901	SVHS Jack	2422 026 04926
	1920	5 Pin Board Connector	2422 025 04853
	1921	3 Pin Board Connector	2422 025 04851
	1923	80 Pin SIMM Socket	2422 025 16599
	1936	11 Pin Board Connector	2422 025 12485
	1937	10 Pin Board Connector	2422 025 12484
	1940	11 Pin Board Connector	2422 015 18953
	1943	3 Pin Board Connector	2422 025 09191
	1945	3 Pin Board Connector	2412 020 00725
	1946	2 Pin Board Connector	2422 025 09405
	1947	5 Pin Board Connector	2422 025 12481
	1951	5 Pin Board Connector	2422 025 04853
S	1975	Fuse, 250MA, 65V	2422 086 10578
	2101	Cap, 2n2, 10%, 50v, Ceramic	3198 019 12220
	2102	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2104	Cap, 2u2, 20%, 16v, Electrolytic	3198 026 22220
	2106	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2108	Cap, 10n, 10%, 400v, Metalized Polyeste	2222 365 55103
	2109	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
	2110	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
S	2112	Cap, 100n, 20%, 275v, Metalized Polypropylene	2222 336 29144
	2113	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2115	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
	2116	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
	2117	Cap, 220p, 10%, 500v, Ceramic	3198 019 42210
	2120	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2132	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2200	Cap, 470u, 20%, 10v, Electrolytic	3198 025 14710
	2201	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2202	Cap, 220n, +80/-20%, 50v, Ceramic	2238 580 19814
	2203	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2400	Cap, 47u, 20%, 160v, Electrolytic	2020 021 91139
	2402	Cap, 3n3, 10%, 500v, Ceramic	3198 019 43320
	2408	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2412	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2413	Cap, 10u, 20%, 50v, Electrolytic	2020 021 91548
	2414	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2415	Cap, 220p, 5%, 50v, Ceramic	3198 016 02210
S	2416	Cap, 1n, 20%, v, Ceramic	2020 554 90129
	2417	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2419	Cap, 470p, 10%, 2000v, Ceramic	2020 558 90483
	2420	Cap, 820p, 5%, 2000v, Polypropylene	2222 375 90504
	2421	Cap, 1u2, 5%, 250v, Metalized Polypropylene	2022 333 00097
	2424	Cap, 1n, 10%, 500v, Ceramic	3198 019 41020
	2425	Cap, 8n2, 5%, 2000v, Polypropylene	2222 375 90173
	2426	Cap, 18n, 5%, 630v, Polypropylene	2222 375 90218
	2429	Cap, 4n7, 10%, 400v, Metalized Polyeste	2222 365 55472
	2430	Cap, 10n, 10%, 100v, Metalized Polyeste	2222 365 85103
	2431	Cap, 1n, 10%, 500v, Ceramic	3198 019 41020
	2433	Cap, 330n, 5%, 250v, Metalized Polypropylene	2022 333 00084
	2436	Cap, 1u, 20%, 160v, Electrolytic	2020 021 90561
	2445	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2446	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2447	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2448	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2450	Cap, 100n, 10%, 100v, Metalized Polyester	2222 365 85104
	2454	Cap, 1u, 10%, 16v, Ceramic	2020 552 96448
	2455	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2459	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2460	Cap, 3u3, 20%, 16v, Electrolytic	3198 026 23320
	2461	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2462	Cap, 2u2, 20%, 25v, Electrolytic	3198 026 32220
	2463	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2464	Cap, 2u2, 20%, 25v, Electrolytic	3198 026 32220
	2465	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2466	Cap, 100u, 20%, 10v, Electrolytic	3198 025 11010
	2467	Cap, 100u, 20%, 10v, Electrolytic	3198 025 11010
	2468	Cap, 4u7, 20%, 350v, Electrolytic	2020 021 91304
	2469	Cap, 1n5, 10%, 1000v, Ceramic	3198 019 61520
	2471	Cap, 18n, 2%, 63v, Polypropylene	2222 460 90025
	2480	Cap, 4n7, 10%, 50v, Polyester	3198 014 04720
	2485	Cap, 10n, 2%, 63v, Polypropylene	2222 460 90022
	2489	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2492	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	2493	Cap, 22n, +80/-20%, 50v, Ceramic	3198 017 22230
	2494	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2495	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2496	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2497	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2498	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2499	Cap, 3n3, 10%, 50v, Ceramic	3198 017 03320
	2501	Cap, 2n2, 10%, 1000v, Ceramic	2020 558 90571
	2502	Cap, 2n2, 10%, 50v, Ceramic	3198 019 12220
	2503	Cap, 33n, 10%, 100v, Metalized Polyeste	2222 365 85333
S	2505	Cap, 3n3, 20%, v, Ceramic	2020 554 90174
	2506	Cap, 470n, 10%, 100v, Metalized Polyester	2222 365 25474
	2507	Cap, 470n, 20%, 275v, Metalized Polypropylene	2222 336 29148
	2509	Cap, 2n2, 10%, 1000v, Ceramic	3198 019 52220
	2510	Cap, 470u, 20%, 200v, Electrolytic	2020 024 90647
	2511	Cap, 470u, 20%, 200v, Electrolytic	2020 024 90647
	2512	Cap, 1000u, 20%, 35v, Electrolytic	3198 026 41020
	2513	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2514	Cap, 330p, 10%, 50v, Ceramic	3198 017 03310
	2515	Cap, 47u, 20%, 160v, Electrolytic	2020 021 91543
	2518	Cap, 150p, 10%, 500v, Ceramic	3198 019 41510
	2519	Cap, 2n2, 10%, 500v, Ceramic	3198 019 42220
	2520	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2521	Cap, 270p, 5%, 50v, Ceramic	3198 016 02710
	2529	Cap, 470u, 20%, 6.3v, Electrolytic	3198 025 04710
	2530	Cap, 470n, +80/-20%, 16v, Ceramic	3198 017 24740
	2531	Cap, 1n5, 10%, 500v, Ceramic	3198 019 41520
	2536	Cap, 1u, 20%, 50v, Electrolytic	3198 025 51080
S	2537	Cap, 22n, 20%, 275v, Metalized Polypropylene	2222 336 29139
	2538	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2601	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2602	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2603	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2604	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2606	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2607	Cap, 4u7, 20%, 100v, Electrolytic	3198 025 74780
	2609	Cap, 220u, 20%, 16v, Electrolytic	3198 025 22210
	2610	Cap, 2n2, 10%, 50v, Ceramic	3198 017 02220
	2611	Cap, 330n, 10%, 16v, Ceramic	2222 780 15656
	2620	Cap, 220n, +80/-20%, 50v, Ceramic	2238 580 19814
	2621	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2622	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2624	Cap, 470n, 10%, 50v, Polyester	3198 014 04740
	2625	Cap, 470n, 10%, 50v, Polyester	3198 014 04740
	2627	Cap, 1u, 20%, 100v, Electrolytic	3198 025 71080
	2639	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2640	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
	2641	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2642	Cap, 100u, 20%, 50v, Electrolytic	2020 021 90587
	2643	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2653	Cap, 1n, 5%, 50v, Ceramic	3198 016 01020
	2654	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	2704	Cap, 47u, 20%, 50v, Electrolytic	3198 025 54790
	2730	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2731	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2732	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2733	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2734	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2735	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2738	Cap, 470u, 20%, 16v, Electrolytic	3198 025 24710
	2739	Cap, 470u, 20%, 16v, Electrolytic	3198 025 24710
	2756	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	2758	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
	2760	Cap, 1000u, 20%, 25v, Electrolytic	3198 026 31020
	2761	Cap, 1000u, 20%, 25v, Electrolytic	3198 026 31020
	2765	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2767	Cap, 220u, 20%, 25v, Electrolytic	3198 025 32210
	2782	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	2784	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2785	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2788	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2905	Cap, 3u3, 20%, 16v, Electrolytic	3198 026 23320
	2906	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2910	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2912	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2913	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2914	Cap, 100u, 20%, 10v, Electrolytic	3198 025 11010
	2917	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010

S = Safety Part   Be sure to use exact replacement part.

32PT842H37A (continued)

	2920	Cap, 100p, 5%, 50v, Ceramic.	3198 016 01010
	2921	Cap, 1n, 5%, 50v, Ceramic.	3198 016 01020
	2923	Cap, 330p, 5%, 50v, Ceramic.	3198 016 03310
	2925	Cap, 330p, 5%, 50v, Ceramic.	3198 016 03310
	2926	Cap, 470u, 20%, 6.3v, Electrolytic . .	3198 025 04710
	2927	Cap, 47u, 20%, 50v, Electrolytic . . .	3198 025 54790
	2928	Cap, 2u2, +80/-20%, 10v, Ceramic . . .	3198 017 22250
	2941	Cap, 6n8, 10%, 50v, Ceramic.	3198 017 06820
	2942	Cap, 6n8, 10%, 50v, Ceramic.	3198 017 06820
	2951	Cap, 1u, 20%, 50v, Electrolytic. . . .	3198 025 51080
	2952	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	2953	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	3101	Res, 3M3, 5%, 1/4W, Metalized Glass. .	2322 241 53335
	3102	Res, 680 ohm, 1%, 3/5W, Metal Film . .	2312 915 16801
	3103	Res, 680 ohm, 1%, 3/5W, Metal Film . .	2312 915 16801
	3104	Res, 47 ohm, 5%, 1/6W, Carbon Film . .	3198 011 04790
	3105	Res, 680 ohm, 1%, 3/5W, Metal Film . .	2312 915 16801
	3106	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3107	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3108	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
	3109	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
S	3110	Res, 10 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03109
	3113	Res, 22 ohm, 5%, 1/6W, Carbon Film . .	3198 011 02290
	3114	Res, 220 ohm, 5%, 1/6W, Carbon Film. .	3198 011 02210
	3117	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3118	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
	3119	Res, 33 ohm, 5%, 1/6W, Carbon Film . .	3198 011 03390
	3120	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3121	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3123	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
	3124	Res, 68 ohm, 5%, 1/6W, Carbon Film . .	3198 011 06890
	3125	Res, 15 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01590
	3126	Res, 10K, 5%, 1/6W, Carbon Film. . . .	3198 011 01030
	3127	Res, 5K6, 5%, 1/6W, Carbon Film. . . .	3198 011 05620
	3130	Res, 47 ohm, 5%, 1/6W, Carbon Film . .	3198 011 04790
	3148	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3200	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3201	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3202	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3203	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
S	3230	Res, 22K, 5%, 1 1/3W, Metal Film . . .	3198 012 22230
	3237	Wire Jumper.	3198 036 90010
	3402	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3403	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3404	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3406	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3407	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3408	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3409	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3410	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3411	Res, 39 ohm, 5%, 1/4W, Carbon Film . .	2120 101 74399
	3414	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
S	3415	Res, 15 ohm, 5%, 2 1/2W, Metal Film. .	3198 012 31590
	3417	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
	3418	Res, 68K, 1%, 3/5W, Metal Film	2312 915 16803
S	3431	Res, 330 ohm, 5%, 1/3W, Metal Film . .	2306 204 03331
S	3436	Res, 22K, 5%, 1 1/3W, Metal Film . . .	3198 012 22230
	3439	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3440	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3441	Res, 1M, 5%, 1/10W, Metalized Glass. .	3198 021 51050
	3442	Res, 470K, 5%, 1/10W, Metalized Glass.	3198 021 54740
	3443	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3444	Res, 39K, 5%, 1/10W, Metalized Glass .	3198 021 53930
	3445	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3446	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
S	3447	Res, 22 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03229
	3450	Res, 10K, 5%, 1/6W, Carbon Film. . . .	3198 011 01030
	3451	Res, 8K2, 5%, 1/6W, Carbon Film. . . .	3198 011 08220
	3452	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3454	Res, 2K7, 5%, 1/10W, Metalized Glass .	3198 021 52720
	3455	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3458	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
S	3459	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S	3460	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S	3461	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S	3462	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S	3463	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S	3464	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S	3465	Res, 1 ohm, 5%, 1/2W, Metal Film . . .	2306 207 03108
S	3466	Res, 10 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03109
S	3467	Res, 10 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03109
S	3468	Res, 6R8, 5%, 1/2W, Metal Film	2306 207 03688
	3470	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3471	Res, 6K8, 5%, 1/10W, Metalized Glass .	3198 021 56820
	3472	Res, 39K, 5%, 1/10W, Metalized Glass .	3198 021 53930
	3473	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3474	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3475	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3476	Res, 220K, 5%, 1/6W, Carbon Film . . .	3198 011 02240
	3477	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3478	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
S	3479	Res, 100 ohm, 5%, 1 1/3W, Metal Film .	3198 012 21010

	3481	Res, 100 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01010
	3484	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3485	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3486	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3487	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3489	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3495	Res, 33K, 1%, 3/5W, Metal Film	2312 915 13303
	3496	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3497	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3498	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
S	3500	Res, 0R47, 10%, 7W, Wire Wound	2322 252 41477
S	3501	Res, 220 ohm, 20%, 1/2W, Carbon Film .	3198 013 02210
S	3502	Res, 4M7, 5%, 1/2W, Metalized Glass. .	2322 242 13475
S	3503	Res, 4M7, 5%, 1/2W, Metalized Glass. .	2322 242 13475
	3504	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3505	Res, 68K, 5%, 1/10W, Metalized Glass .	3198 021 56830
	3506	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3507	Res, 160K, 1%, 3/5W, Metal Film. . . .	2312 915 11604
S	3508	Res, 6K8, 5%, 1W, Metal Film	3198 012 16820
S	3509	VDR, 800V.	2322 595 90025
	3510	Res, 2K, 1%, 1/8W, Metalized Glass . .	2322 734 62002
	3511	Res, 3K9, 5%, 1/6W, Carbon Film. . . .	3198 011 03920
	3512	Res, 68K, 5%, 1/6W, Carbon Film. . . .	3198 011 06830
	3513	Res, 330K, 5%, 1W, Metal Film.	2322 193 53334
	3514	Res, 1R2, 5%, 1W, Metal Film	2322 193 53128
	3515	Res, 0R68, 5%, 3/5W, Metal Film. . . .	3198 012 16870
	3517	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3518	Res, 100K, 5%, 1/6W, Carbon Film . . .	3198 011 01040
	3519	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
S	3520	Res, 33K, 5%, 2 1/2W, Metal Film . . .	3198 012 33330
S	3521	Res, 1M, 5%, 1/2W, Metalized Glass . .	2322 242 13105
	3522	Res, 6K8, 5%, 1/6W, Carbon Film. . . .	3198 011 06820
	3523	Res, 1M, 5%, 1/10W, Metalized Glass. .	3198 021 51050
	3524	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3525	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3526	Res, 0R1, 5%, 3/5W, Metal Film	3198 012 11070
	3527	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
	3528	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3529	Res, 680 ohm, 5%, 1/10W, Metalized Glas	3198 021 56810
	3530	Res, 68K, 5%, 1/6W, Carbon Film. . . .	3198 011 06830
	3531	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
S	3532	Res, PTC, 1R5, Degaussing.	2322 662 96753
	3533	Res, 15 ohm, 5%, 1/10W, Metalized Glass	3198 021 51590
	3535	Res, 27K, 5%, 1/10W, Metalized Glass .	3198 021 52730
	3536	Res, 680K, 5%, 1/10W, Metalized Glass.	3198 021 56840
	3537	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3540	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
	3541	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3542	Res, 0R1, 5%, 3/5W, Metal Film	3198 012 11070
	3543	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3544	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3545	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3550	Res, 220 ohm, 20%, 1/2W, Carbon Film .	3198 013 02210
	3600	Res, 470K, 1%, 3/5W, Metal Film. . . .	2312 915 14704
	3601	Res, 470K, 1%, 3/5W, Metal Film. . . .	2312 915 14704
	3602	Res, 8K2, 5%, 1/10W, Metalized Glass .	3198 021 58220
	3603	Trim Pot, 470 ohm.	2120 368 90118
	3604	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3605	Res, 27K, 5%, 1/10W, Metalized Glass .	3198 021 52730
	3606	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3607	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3608	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3609	Trim Pot, 22k.	2120 368 90124
	3610	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
	3612	Res, 82K, 5%, 1/10W, Metalized Glass .	3198 021 58230
	3613	Res, 270K, 5%, 1/8W, Metalized Glass .	2322 730 61274
	3614	Res, 150K, 1%, 3/5W, Metal Film. . . .	2312 915 11504
	3615	Res, 560K, 5%, 1/4W, Carbon Film . . .	2120 101 74564
	3616	Res, 470K, 5%, 1/6W, Carbon Film . . .	3198 011 04740
	3617	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3618	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3619	Res, 5K6, 5%, 1/10W, Metalized Glass .	3198 021 55620
	3620	Res, 3R3, 5%, 1/4W, Carbon Film. . . .	2120 101 74338
	3621	Res, 1 ohm, 5%, 1/6W, Carbon Film. . .	3198 011 01080
	3622	Res, 1 ohm, 5%, 1/6W, Carbon Film. . .	3198 011 01080
	3623	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
S	3624	Res, 1R5, 5%, 1/3W, Metal Film	2306 204 03158
	3626	Res, 150 ohm, 5%, 1/6W, Carbon Film. .	3198 011 01510
	3627	Res, 1M, 5%, 1/6W, Carbon Film	3198 011 01050
	3628	Res, 3R3, 5%, 1/4W, Carbon Film. . . .	2120 101 74338
	3630	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3631	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3632	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3633	Res, 150K, 5%, 1/10W, Metalized Glass.	3198 021 51540
	3634	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3635	Res, 1K5, 5%, 1/10W, Metalized Glass .	3198 021 51520
	3636	Res, 180K, 5%, Metalized Glass. . . .	2120 108 91721
	3639	Res, 470K, 5%, 1/10W, Metalized Glass.	3198 021 54740
	3640	Res, 22K, 5%, 1/6W, Carbon Film. . . .	3198 011 02230
	3641	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3642	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3643	Res, 33K, 5%, 1/10W, Metalized Glass .	3198 021 53330

S = Safety Part   Be sure to use exact replacement part.

32PT842H37A (continued)

	3644	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3645	Res, 330K, 5%, 1/6W, Carbon Film	3198 011 03340
	3652	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3653	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3654	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3654	LED	
	3654	LED	
	3661	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3663	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3701	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3702	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3705	Res, 1K2, 5%, 1/10W, Metalized Glass	3198 021 51220
	3706	Res, 1K2, 5%, 1/10W, Metalized Glass	3198 021 51220
	3710	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3711	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3714	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3715	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3716	Res, 1K5, 5%, 1/10W, Metalized Glass	3198 021 51520
	3717	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3730	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3731	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3732	Res, 8K2, 5%, 1/10W, Metalized Glass	3198 021 58220
	3733	Res, 8K2, 5%, 1/10W, Metalized Glass	3198 021 58220
	3734	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3735	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3736	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3737	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3738	Res, 56K, 5%, 1/10W, Metalized Glass	3198 021 55630
	3739	Res, 56K, 5%, 1/10W, Metalized Glass	3198 021 55630
	3740	Res, 68K, 5%, 1/10W, Metalized Glass	3198 021 56830
	3741	Res, 68K, 5%, 1/10W, Metalized Glass	3198 021 56830
	3742	Res, 68 ohm, 5%, 1/6W, Carbon Film	3198 011 06890
	3743	Res, 68 ohm, 5%, 1/6W, Carbon Film	3198 011 06890
	3744	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3745	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3750	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3756	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3757	Res, 100K, 5%, 1/10W, Metalized Glass	3198 021 51040
	3758	Res, 100K, 5%, 1/10W, Metalized Glass	3198 021 51040
	3762	Res, 8R2, 5%, 1/8W, Metalized Glass	2322 730 61828
	3765	Res, 6K8, 5%, 1/10W, Metalized Glass	3198 021 56820
	3770	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3773	Res, 150K, 5%, 1/10W, Metalized Glass	3198 021 51540
	3789	Res, 8R2, 5%, 1/8W, Metalized Glass	2322 730 61828
	3790	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3792	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3908	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3909	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3910	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3911	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3912	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3913	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3914	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3915	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3919	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3920	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
S	3925	Res, 6R8, 5%, 1/3W, Metal Film	2306 204 03688
	3928	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3929	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3930	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
	3932	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3935	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3936	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3937	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3940	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3941	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3944	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3946	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3950	Res, 1K8, 5%, 1/6W, Carbon Film	3198 011 01820
	3955	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3970	Res, 120 ohm, 5%, 1/10W, Metalized Glas	3198 021 51210
	3971	Res, 2K7, 5%, 1/10W, Metalized Glass	3198 021 52720
	3972	Res, 2K2, 5%, 1/10W, Metalized Glass	3198 021 52220
	3975	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3991	Res, 100 ohm, 5%, 1/6W, Carbon Film	3198 011 01010
	3992	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 011 01090
	3993	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3995	Wire Jumper	3198 036 90010
	3996	Wire Jumper	3198 036 90010
	3997	Wire Jumper	3198 036 90010
	4102	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4401	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4402	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4403	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4405	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4406	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4407	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4408	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4409	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4410	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4412	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4413	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4415	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4416	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4441	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4442	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4443	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4444	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4483	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4521	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4522	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4611	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4615	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4619	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4702	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4707	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4710	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4722	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4723	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4724	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4901	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4902	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4904	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4906	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4908	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4910	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4911	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4915	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4916	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4919	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4920	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4921	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4923	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4924	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4926	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4927	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4928	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4929	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4930	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4932	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4933	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4934	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4935	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4937	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4938	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4939	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4941	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4945	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4946	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4947	Res, Zero ohm, "Chip" Jumper	3198 021 90020
S	5101	Standby Power Transformer	2422 531 02449
	5102	Coil, 8u2	3198 018 28280
	5103	Ferrite Bead, 50MHz	2422 535 95748
	5104	Ferrite Bead, 100MHz	3198 018 90020
	5105	Ferrite Bead, 50MHz	2422 535 95748
	5106	Coil, 1u	3198 018 11080
	5110	Ferrite Bead, 100MHz	3198 018 90020
	5115	Ferrite Bead, 100MHz	3198 018 90020
	5120	Coil, 680n	3198 018 16870
	5200	Coil, 6u8	2422 535 94267
	5203	Inductor, 100MHz, 600 ohm	3198 018 90080
	5204	Inductor, 100MHz, 600 ohm	3198 018 90080
	5205	Inductor, 100MHz, 600 ohm	3198 018 90080
	5400	Coil, 33u	3198 018 73390
S	5410	Transformer, Driver, S16944	2422 531 02447
	5411	Coil, 560n	2422 535 95339
	5421	Coil, 6u	2422 536 00102
	5422	Bridge Coil, W7132-004	2422 531 02357
	5426	Coil, 2u4	2422 535 95097
S	5430	Line Output Transformer	2422 531 02557
	5461	Ferrite Bead, 100MHz	3198 018 90020
	5463	Ferrite Bead, 100MHz	3198 018 90020
	5465	Ferrite Bead, 100MHz	3198 018 90020
	5466	Coil, 68u	3198 018 76890
	5467	Ferrite Bead, 100MHz	3198 018 90020
	5468	Coil, 22u	3198 018 72290
	5469	Coil, 18u	3198 018 11890
	5494	Coil, 68u	2422 535 94095
S	5503	Mains Filter	2422 549 44362
	5505	Ferrite Bead, 100MHz	3198 018 90020
S	5506	Supply Transformer	2422 531 98042
	5507	Ferrite Bead, 100MHz	3198 018 90020
	5508	Ferrite Bead, 100MHz	3198 018 90020
	5510	Ferrite Bead, 100MHz	3198 018 90020
	5620	Coil, 90n	2422 535 95444
	6103	Diode, Rect, BYD33D	9337 234 00133
	6105	Zener Diode, 15 volt	3198 010 21590
	6106	Zener Diode, 24 volt	9331 669 60133
	6108	Diode, BAT85	9336 247 60133
	6110	Diode, BAT85	9336 247 60133
	6111	Diode, Rect, SB360L-7024	9322 161 78682
	6120	Diode, 1N4148	3198 010 10010
	6121	Diode, 1N4148	3198 010 10010
	6122	Zener Diode, 3.9 volt	3198 010 53980

S = Safety Part   Be sure to use exact replacement part.

32PT842H37A (continued)

	Ref	Description	Part No.
	6124	Diode, BAT85	9336 247 60133
	6200	Zener Diode, 33 volt	3198 020 53390
	6204	Zener Diode, 6.8 volt.	3198 020 56880
	6205	Zener Diode, 6.8 volt.	3198 020 56880
	6206	Zener Diode, 6.8 volt.	3198 020 56880
	6207	Zener Diode, 6.8 volt.	3198 020 56880
	6405	Zener Diode, 33 volt	3198 020 53390
	6406	Diode, BAS316.	3198 010 10630
	6407	Diode, BAS316.	3198 010 10630
	6408	Diode, Rect, BYD33D	9337 234 00133
	6421	Diode, Rect, BY359X-1500.	9340 303 30127
	6422	Diode, Rect, BY229X-600	9340 380 20127
	6436	Diode, Rect, BYD33J	9337 234 20133
	6437	Diode, Rect, BYD33J	9337 234 20133
	6440	Diode, BAS316.	3198 010 10630
	6441	Diode, BAS316.	3198 010 10630
	6442	Zener Diode, 15 volt	3198 020 51590
	6451	Diode, BAS316.	3198 010 10630
	6452	Diode, BAS316.	3198 010 10630
	6453	Diode, BAS316.	3198 010 10630
	6454	Zener Diode, 33 volt	9340 548 71115
	6456	Zener Diode, 33 volt	9340 548 71115
	6461	Diode, Rect, BYV29X-500	9340 555 59127
	6463	Diode, Rect, BYV29X-500	9340 555 59127
	6465	Diode, Rect, BYV29X-500	9340 555 59127
	6466	Diode, Rect, BYV29X-500	9340 555 59127
	6468	Diode, Rect, BYD33D	9337 234 00133
	6480	Diode, Rect, BYD33D	9337 234 00133
	6481	Zener Diode, 18 volt	3198 010 21890
	6482	Diode, BAS316.	3198 010 10630
	6492	Diode, BAS316.	3198 010 10630
	6493	Zener Diode, 47 volt	9340 389 00115
	6499	Zener Diode, 6.8 volt.	3198 020 56880
	6505	Zener Diode, 15 volt	3198 010 21590
	6506	Diode, 1N4148.	3198 010 10010
	6507	Diode, Rect, BYV28-200/24	9340 550 66112
	6508	Diode, Rect, BYV28-400/20	9340 549 39112
	6510	Zener Diode, 15 volt	3198 010 51590
	6511	Diode, BAS316.	3198 010 10630
	6512	Diode, BAS316.	3198 010 10630
	6513	Diode, Bridge Rect, REC GBU4K.	3198 010 10640
	6514	Zener Diode, 200 volt.	9336 018 20133
	6515	Zener Diode, 5.6 volt.	9335 005 90133
	6516	Diode, BAS316.	3198 010 10630
	6517	Diode, BAT85	9336 247 60133
	6518	Diode, BAS316.	3198 010 10630
	6519	Diode, Rect, BYD33D	9337 234 00133
	6600	Diode, 1N4148.	3198 010 10010
	6616	Diode, BAS316.	3198 010 10630
	6617	Diode, 1N4148.	3198 010 10010
	6619	Diode, Rect, BYD33D	9337 234 00133
	6620	Diode, Rect, BYV27-200.	9322 126 72673
	6623	Diode, BAS316.	3198 010 10630
	6636	Diode, BAS316.	3198 010 10630
	6660	Diode, BAT85	9336 247 60133
	6665	Diode, BAS316.	3198 010 10630
	6731	Diode, BAS316.	3198 010 10630
	6732	Diode, BAS316.	3198 010 10630
	6900	Diode, BAS316.	3198 010 10630
	6901	Diode, 1PS76SB10	9340 453 90115
	6902	Diode, 1PS76SB10	9340 453 90115
	6903	Diode, 1PS76SB10	9340 453 90115
	6904	Diode, 1N4148.	3198 010 10010
	7100	Transistor, PNP, BC557B(COL)	3198 020 40110
	7101	Transistor, NPN, BC547B(COL)	3198 020 40030
	7102	Power FET, STP3NB60FP.	9322 129 71687
S	7104	Optical Coupler, TCDT1102G	9319 002 76682
	7228	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
	7407	Transistor, NPN, BC847B(COL)	3198 010 42030
	7408	Transistor, NPN, BC368	9332 592 40126
	7409	Transistor, NPN, BC847B(COL)	3198 010 42030
	7421	Transistor, NPN, BU2527DX.	9340 496 80127
	7440	IC, LM358N	9339 848 90682
	7441	Transistor, NPN, BC547B(COL)	3198 020 40030
	7442	Transistor, PNP, BC557B(COL)	3198 020 40110
	7452	Transistor, NPN, BC847B(COL)	3198 010 42030
	7480	Power FET, STP3NB60FP.	9322 129 71687
	7481	Transistor, PNP, BC557B(COL)	3198 020 40110
S	7482	Optical Coupler, TCDT1102G	9319 002 76682
	7501	Transistor, PNP, BC857B(COL)	3198 010 42150
	7502	Transistor, NPN, BF487	9337 626 60126
	7504	Power FET, STP5NB40.	9322 174 85687
	7505	Transistor, PNP, BC857B(COL)	3198 010 42150
	7506	IC TL431ACZ-AP S (ST00) A	9322 086 97676
	7510	Transistor, NPN, BC847B(COL)	3198 010 42030
	7528	Transistor, NPN, BC337-25(COL)	3198 020 43530
	7529	Transistor, NPN, BC847B(COL)	3198 010 42030
	7600	Transistor, NPN, BC546B.	9332 377 80126
	7602	Transistor, NPN, BC847B(COL)	3198 010 42030
	7603	Transistor, PNP, BC857B(COL)	3198 010 42150
	7605	Transistor, NPN, BC847B(COL)	3198 010 42030
	7606	Transistor, NPN, BC847B(COL)	3198 010 42030
S	7610	Optical Coupler, TCDT1102G	9319 002 76682
S	7613	Optical Coupler, TCDT1102G	9319 002 76682
	7620	IC, TDA8177.	9322 066 43687
	7640	Transistor, NPN, BC847B(COL)	3198 010 42030
	7641	Transistor, NPN, BC847B(COL)	3198 010 42030
	7652	Transistor, NPN, BC847B(COL)	3198 010 42030
	7653	Transistor, NPN, BC847B(COL)	3198 010 42030
	7654	Transistor, PNP, BC857B(COL)	3198 010 42150
	7655	Transistor, NPN, BC847B(COL)	3198 010 42030
	7702	Transistor, NPN, BC847B(COL)	3198 010 42030
	7720	Transistor, NPN, BC847B(COL)	3198 010 42030
	7721	Transistor, NPN, BC847B(COL)	3198 010 42030
	7722	Transistor, PNP, BC857B(COL)	3198 010 42150
	7723	Transistor, PNP, BC857B(COL)	3198 010 42150
	7724	Transistor, NPN, BC847B(COL)	3198 010 42030
	7725	Transistor, NPN, BC847B(COL)	3198 010 42030
	7730	Transistor, NPN, BC847B(COL)	3198 010 42030
	7731	Transistor, PNP, BC857B(COL)	3198 010 42150
	7732	Transistor, NPN, BC847B(COL)	3198 010 42030
	7750	IC, TDA2616.	9350 403 20112
	7901	Transistor, NPN, BC547B(COL)	3198 020 40030
	7902	Transistor, NPN, BC337-25(COL)	3198 020 43530
	7905	Transistor, NPN, BC368	9332 592 40126
	7906	IC, L4940V85	9322 005 46687
	7907	Transistor, NPN, BC847B(COL)	3198 010 42030
	7908	Transistor, PNP, BC857B(COL)	3198 010 42150
	7909	Transistor, PNP, BC857B(COL)	3198 010 42150
	8203	Cable, 4 Pin, 340mm.	3104 311 05481
	8204	Cable, 6 Pin, 220mm.	3104 311 05471
	8317	Cable, 2 Pin, 340mm.	3104 311 01431
	8324	Cable, 7 Pin, 560mm.	3104 311 05411
	8340	Cable, 11 Pin 480mm.	3104 311 05431
	8392	Cable, 3 Pin, 220mm.	3104 311 04171
	8920	Cable, 5 Pin, 400mm.	3104 301 07674
	8921	Cable, 3 Pin, 400mm.	3104 311 03082
	8936	Cable, 11 Pin, 820mm	3104 311 01181
	8937	Cable, 10 Pin, 340mm	3104 301 09841
	8951	Cable, 5 Pin, 340mm.	3104 311 03491
	9101	Wire Jumper.	3198 036 90010
	9102	Wire Jumper.	3198 036 90010
	9113	Wire Jumper.	3198 036 90010
	9203	Wire Jumper.	3198 036 90010
	9204	Wire Jumper.	3198 036 90010
	9206	Wire Jumper.	3198 036 90010
	9210	Wire Jumper.	3198 036 90010
	9212	Wire Jumper.	3198 036 90010
	9217	Wire Jumper.	3198 036 90010
	9219	Wire Jumper.	3198 036 90010
	9221	Wire Jumper.	3198 036 90010
	9222	Wire Jumper.	3198 036 90010
	9224	Wire Jumper.	3198 036 90010
	9226	Wire Jumper.	3198 036 90010
	9228	Wire Jumper.	3198 036 90010
	9229	Wire Jumper.	3198 036 90010
	9230	Wire Jumper.	3198 036 90010
	9231	Wire Jumper.	3198 036 90010
	9232	Wire Jumper.	3198 036 90010
	9302	Wire Jumper.	3198 036 90010
	9401	Wire Jumper.	3198 036 90010
	9402	Wire Jumper.	3198 036 90010
	9403	Wire Jumper.	3198 036 90010
	9404	Wire Jumper.	3198 036 90010
	9405	Wire Jumper.	3198 036 90010
	9406	Wire Jumper.	3198 036 90010
	9407	Wire Jumper.	3198 036 90010
	9412	Wire Jumper.	3198 036 90010
	9414	Wire Jumper.	3198 036 90010
	9418	Wire Jumper.	3198 036 90010
	9419	Wire Jumper.	3198 036 90010
	9421	Wire Jumper.	3198 036 90010
	9423	Wire Jumper.	3198 036 90010
	9424	Wire Jumper.	3198 036 90010
	9425	Wire Jumper.	3198 036 90010
	9428	Wire Jumper.	3198 036 90010
	9429	Wire Jumper.	3198 036 90010
	9430	Wire Jumper.	3198 036 90010
	9431	Wire Jumper.	3198 036 90010
	9435	Wire Jumper.	3198 036 90010
	9436	Wire Jumper.	3198 036 90010
	9505	Wire Jumper.	3198 036 90010
	9510	Wire Jumper.	3198 036 90010
	9512	Wire Jumper.	3198 036 90010
	9513	Wire Jumper.	3198 036 90010
	9515	Wire Jumper.	3198 036 90010
	9516	Wire Jumper.	3198 036 90010
	9518	Wire Jumper.	3198 036 90010
	9519	Wire Jumper.	3198 036 90010
	9520	Wire Jumper.	3198 036 90010
	9523	Wire Jumper.	3198 036 90010
	9524	Wire Jumper.	3198 036 90010
	9525	Wire Jumper.	3198 036 90010
	9528	Wire Jumper.	3198 036 90010

S = Safety Part   Be sure to use exact replacement part.

32PT842H37A (continued)

	9622	Wire Jumper.	3198 036 90010
	9623	Wire Jumper.	3198 036 90010
	9705	Wire Jumper.	3198 036 90010
	9706	Wire Jumper.	3198 036 90010
	9707	Wire Jumper.	3198 036 90010
	9712	Wire Jumper.	3198 036 90010
	9713	Wire Jumper.	3198 036 90010
	9714	Wire Jumper.	3198 036 90010
	9715	Wire Jumper.	3198 036 90010
	9718	Wire Jumper.	3198 036 90010
	9720	Wire Jumper.	3198 036 90010
	9721	Wire Jumper.	3198 036 90010
	9723	Wire Jumper.	3198 036 90010
	9724	Wire Jumper.	3198 036 90010
	9726	Wire Jumper.	3198 036 90010
	9901	Wire Jumper.	3198 036 90010
	9902	Wire Jumper.	3198 036 90010
	9903	Wire Jumper.	3198 036 90010
	9904	Wire Jumper.	3198 036 90010
	9906	Wire Jumper.	3198 036 90010
	9907	Wire Jumper.	3198 036 90010
	9908	Wire Jumper.	3198 036 90010
	9909	Wire Jumper.	3198 036 90010
	9910	Wire Jumper.	3198 036 90010
	9911	Wire Jumper.	3198 036 90010
	9912	Wire Jumper.	3198 036 90010
	9914	Wire Jumper.	3198 036 90010
	9916	Wire Jumper.	3198 036 90010
	9917	Wire Jumper.	3198 036 90010
	9920	Wire Jumper.	3198 036 90010
	9921	Wire Jumper.	3198 036 90010
	9922	Wire Jumper.	3198 036 90010
	9925	Wire Jumper.	3198 036 90010
	9926	Wire Jumper.	3198 036 90010
	9927	Wire Jumper.	3198 036 90010
	9928	Wire Jumper.	3198 036 90010
	9931	Wire Jumper.	3198 036 90010
	9932	Wire Jumper.	3198 036 90010
	9933	Wire Jumper.	3198 036 90010
	9934	Wire Jumper.	3198 036 90010
	9936	Wire Jumper.	3198 036 90010
	9943	Wire Jumper.	3198 036 90010
	9944	Wire Jumper.	3198 036 90010
	9945	Wire Jumper.	3198 036 90010
	9946	Wire Jumper.	3198 036 90010
	9947	Wire Jumper.	3198 036 90010
	9948	Wire Jumper.	3198 036 90010
	9950	Wire Jumper.	3198 036 90010
	9951	Wire Jumper.	3198 036 90010
	9952	Wire Jumper.	3198 036 90010
	9957	Wire Jumper.	3198 036 90010
	9958	Wire Jumper.	3198 036 90010
	9960	Wire Jumper.	3198 036 90010
	9963	Wire Jumper.	3198 036 90010
	9964	Wire Jumper.	3198 036 90010
	9965	Wire Jumper.	3198 036 90010
	9966	Wire Jumper.	3198 036 90010
	9967	Wire Jumper.	3198 036 90010
	9968	Wire Jumper.	3198 036 90010
	9969	Wire Jumper.	3198 036 90010
	9970	Wire Jumper.	3198 036 90010
	9971	Wire Jumper.	3198 036 90010
	9972	Wire Jumper.	3198 036 90010
	9975	Wire Jumper.	3198 036 90010
	9976	Wire Jumper.	3198 036 90010
	9980	Wire Jumper.	3198 036 90010
	9983	Wire Jumper.	3198 036 90010
	9984	Wire Jumper.	3198 036 90010
	9987	Wire Jumper.	3198 036 90010
	9988	Wire Jumper.	3198 036 90010
	9990	Wire Jumper.	3198 036 90010
	9991	Wire Jumper.	3198 036 90010
	9992	Wire Jumper.	3198 036 90010
	9993	Wire Jumper.	3198 036 90010
	9996	Wire Jumper.	3198 036 90010
	9997	Wire Jumper.	3198 036 90010
	9998	Wire Jumper.	3198 036 90010

Small Signal Board

		Small Signal Board	
	CBA	Small Signal Board	3104 328 25221
	0302	2 Pin Board Connector.	2422 025 16542
	1001	Crystal, 12MHz	2422 543 89018
S	1003	Fuse, F315MA, 32V.	2422 086 11013
	1301	Crystal, 12MHz	2422 540 98456
	1303	5 Pin Board Connector.	2422 025 16966
	1304	7 Pin Board Connector.	2422 025 17104
	1318	Crystal, 3.579545MHz	2422 543 00861
	1407	Filter, 4.5MHz	2422 549 44043
	1408	SAW Filter, 45.75MHz	2422 549 44377
	1410	Filter, 4.5MHz	2422 549 44534
	1651	Crystal, 18.432MHz	2422 543 89019
	1680	6 Pin Board Connector.	2422 025 16961
	1681	3 Pin Board Connector.	2422 025 17103
	1682	10 Pin Board Connector	2422 025 16729
	1701	Crystal, 12MHz	2422 543 89018
	2001	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390
	2002	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390
	2003	Cap, 2n2, 10%, 50v, Ceramic.	3198 017 32220
	2004	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2006	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2007	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2008	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2009	Cap, 470p, 5%, 50v, Ceramic.	3198 016 34710
	2010	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
	2011	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
	2012	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
	2013	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
	2014	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2015	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2016	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
	2017	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2020	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
	2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2300	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
	2302	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2303	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
	2304	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
	2305	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2306	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2307	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2308	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
	2313	Cap, 100n, 5%, 16v, Polypropylene.	2020 319 90005
	2314	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
	2315	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2317	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2318	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
	2319	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
	2320	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
	2321	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2322	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2323	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2324	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
	2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2328	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
	2329	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2330	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2331	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2332	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2333	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2334	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2335	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
	2336	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2338	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
	2339	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2340	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
	2341	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
	2342	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2343	Cap, 100n, +80/-20%, 25v, Ceramic.	3198 023 41040
	2350	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2351	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2352	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2356	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2357	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2358	Cap, 3n3, 10%, 50v, Ceramic.	3198 017 33320
	2361	Cap, 1p2, 21%, 50v, Ceramic.	3198 016 31280
	2362	Cap, 12p, 5%, 50v, Ceramic	3198 016 31290
	2363	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
	2365	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2366	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2367	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2368	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2369	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2370	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2371	Cap, 4n7, 10%, 50v, Ceramic.	3198 017 34720
	2372	Cap, 1u, +80/-20%, 16v, Ceramic.	3198 017 21050
	2373	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2374	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2375	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
	2376	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2377	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
	2378	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2384	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2395	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2396	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2397	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2401	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
	2410	Cap, 470n, 10%, 16v, Ceramic	2222 780 15658
	2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
	2412	Cap, 4n7, 10%, 50v, Ceramic.	3198 017 34720

S = Safety Part   Be sure to use exact replacement part.

32PT842H37A (continued)

2413	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
2418	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2420	Cap, 150p, 5%, 50v, Ceramic	3198 016 31510
2422	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2429	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2501	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2502	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2503	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2504	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2505	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2506	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2507	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2508	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
2510	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2511	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2512	Cap, 470n, +80/-20%, 10v, Ceramic	3198 017 44740
2550	Cap, 330p, 10%, 50v, Ceramic	3198 017 33310
2552	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2553	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2554	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2555	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2562	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2563	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2564	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2565	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2566	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2567	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2568	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2569	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2570	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2571	Cap, 100p, 5%, 50v, Ceramic	3198 016 31010
2574	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2575	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2576	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2577	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2578	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2579	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2584	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2585	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2586	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2591	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2593	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2594	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2595	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2609	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2610	Cap, 2n2, 10%, 50v, Ceramic	3198 017 32220
2611	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2634	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2640	Cap, 220n, +80/-20%, 16v, Ceramic	3198 017 42240
2643	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2644	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2645	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2646	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2649	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2651	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2652	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2653	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2654	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2659	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2660	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2661	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2662	Cap, 330n, +80/-20%, 25v, Ceramic	2222 910 19856
2663	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2664	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2665	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
2666	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
2667	Cap, 3p3, 8%, 50v, Ceramic	3198 016 33380
2668	Cap, 3p3, 8%, 50v, Ceramic	3198 016 33380
2670	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2673	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2674	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2677	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2678	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2679	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2680	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2681	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2682	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2686	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2687	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2693	Cap, 220p, 5%, 50v, Ceramic	3198 016 32210
2694	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2695	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
2702	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
2704	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
2706	Cap, 100u, 20%, 16v, Electrolytic	2020 021 91555
2708	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
2709	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2710	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
2712	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
2713	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2728	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2729	Cap, 56p, 5%, 50v, Ceramic	3198 016 35690
2730	Cap, 22n, 10%, 25v, Ceramic	3198 017 32230
2731	Cap, 100p, 5%, 50v, Ceramic	3198 016 31010
2733	Cap, 22n, 10%, 25v, Ceramic	3198 017 32230
2738	Cap, 22n, 10%, 25v, Ceramic	3198 017 32230
2743	Cap, 22n, 10%, 25v, Ceramic	3198 017 32230
2747	Cap, 18p, 5%, 50v, Ceramic	3198 016 31890
2748	Cap, 18p, 5%, 50v, Ceramic	3198 016 31890
2755	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2756	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2758	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2759	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2760	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2761	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2762	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2763	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2764	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2765	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2766	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2767	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2770	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2771	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2772	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2773	Cap, 1n, 5%, 25v, Ceramic	3198 016 31020
2774	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2776	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2785	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2786	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2788	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2790	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2792	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2795	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2796	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2798	Cap, 680p, 5%, 25v, Ceramic	3198 016 36810
2799	Cap, 10u, 20%, 16v, Electrolytic	2020 021 91556
2908	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2909	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2910	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2911	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2912	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
3001	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3002	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3003	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3004	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3005	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3006	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
3007	Res, 1K5, 5%, 1/16W, Metalized Glass	3198 021 31520
3008	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
3009	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
3010	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
3011	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
3012	Res, 2K2, 5%, 1/16W, Metalized Glass	3198 021 32220
3013	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
3014	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3015	Res, 470K, 5%, 1/16W, Metalized Glass	3198 021 34740
3016	Res, 1K, 5%, 1/16W, Metalized Glass	3198 021 31020
3017	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3018	Res, 24K, 1%, 1/16W, Metalized Glass	2322 704 62403
3019	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3021	Res, 22K, 5%, 1/16W, Metalized Glass	3198 021 32230
3026	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3027	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3028	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3029	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3030	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3031	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3032	Res, 2K2, 5%, 1/16W, Metalized Glass	3198 021 32220
3033	Res, 2K2, 5%, 1/16W, Metalized Glass	3198 021 32220
3034	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3035	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3039	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3040	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3041	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3042	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
3043	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3044	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3045	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3048	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3049	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3050	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3051	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3052	Res, 6K8, 5%, 1/16W, Metalized Glass	3198 021 36820
3053	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
3056	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
3057	Res, 47K, 5%, 1/16W, Metalized Glass	3198 021 34730
3058	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3059	Res, 4K7, 5%, 1/16W, Metalized Glass	3198 021 34720
3060	Res, 2K7, 5%, 1/16W, Metalized Glass	3198 021 32720
3061	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030
3062	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3063	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3064	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3065	Res, 10K, 5%, 1/16W, Metalized Glass	3198 021 31030

32PT842H37A (continued)

S	3070	Res, 1R5, 5%, 1/8W, Metalized Glass. .	2322 750 61508
S	3071	Res, 1R5, 5%, 1/8W, Metalized Glass. .	2322 750 61508
	3074	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3080	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
S	3300	Res, 3R9, 5%, 1/8W, Metalized Glass. .	2322 750 63908
	3301	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3302	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
S	3304	Res, 3R9, 5%, 1/8W, Metalized Glass. .	2322 750 63908
	3305	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3306	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3307	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3308	Res, 680K, 5%, 1/16W, Metalized Glass.	3198 021 36840
	3310	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3311	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3312	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
	3313	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3314	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3315	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3316	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3317	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3318	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3319	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3320	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3321	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3322	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3324	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3327	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3328	Res, 39K, 5%, 1/16W, Metalized Glass .	3198 021 33930
S	3329	Res, 6R8, 5%, 1/8W, Metalized Glass. .	2322 750 66808
	3330	Res, 3K3, 5%, 1/16W, Metalized Glass .	3198 021 33320
	3331	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3332	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3333	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3335	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3336	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3337	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3338	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3340	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3341	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3342	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3343	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3344	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3345	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3346	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3347	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3348	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3350	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3351	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3352	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3353	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3354	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3355	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3358	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3359	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3360	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3362	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3363	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3364	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3365	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3366	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3367	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3370	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3371	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
	3372	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3373	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3374	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3375	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3376	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3377	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3378	Res, 15K, 5%, 1/16W, Metalized Glass .	3198 021 31530
	3382	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3384	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3385	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3386	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3387	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3388	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3389	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3390	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3391	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3393	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3394	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3395	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3396	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3397	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3398	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S	3400	Res, 4R7, 5%, 1/8W, Metalized Glass. .	2322 750 64708
	3401	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3402	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3403	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3405	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3415	Res, 8K2, 5%, 1/16W, Metalized Glass .	3198 021 38220
S	3416	Res, 6R8, 5%, 1/8W, Metalized Glass. .	2322 750 66808
	3418	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3419	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
	3420	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3436	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3437	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3441	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3446	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3456	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3457	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3458	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3459	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3460	Res, 3K3, 5%, 1/16W, Metalized Glass .	3198 021 33320
	3461	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3462	Res, 1K2, 5%, 1/16W, Metalized Glass .	3198 021 31220
	3463	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3465	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3467	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3469	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3470	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3519	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3521	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3522	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3523	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3524	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3525	Res, 680K, 5%, 1/16W, Metalized Glass.	3198 021 36840
	3526	Res, 1M, 5%, 1/16W, Metalized Glass. .	3198 021 31050
	3527	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3529	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3530	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3531	Res, 8K2, 5%, 1/16W, Metalized Glass .	3198 021 38220
	3532	Res, 27K, 5%, 1/16W, Metalized Glass .	3198 021 32730
	3546	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3550	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3558	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3559	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3560	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3561	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3562	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3563	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3564	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3565	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3566	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3567	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3570	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3571	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3572	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3574	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3576	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
	3636	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3637	Res, 56K, 5%, 1/16W, Metalized Glass .	3198 021 35630
	3642	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3643	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S	3644	Res, 4R7, 5%, 1/8W, Metalized Glass. .	2322 750 64708
	3651	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3652	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3653	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3654	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3655	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3656	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3657	Res, 82K, 5%, 1/16W, Metalized Glass .	3198 021 38230
	3658	Res, 150K, 5%, 1/16W, Metalized Glass.	3198 021 31540
	3666	Res, 150K, 5%, 1/16W, Metalized Glass.	3198 021 31540
	3667	Res, 56K, 5%, 1/16W, Metalized Glass .	3198 021 35630
	3668	Res, 82K, 5%, 1/16W, Metalized Glass .	3198 021 38230
	3669	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3670	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3671	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3684	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3685	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3686	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3687	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3688	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3689	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3690	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3691	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3692	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3693	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3694	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3695	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3698	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3702	Res, 22 ohm, 5%, 1/16W, Metalized Glass	3198 021 32290
	3703	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3705	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3706	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3707	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3708	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
	3709	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3710	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3711	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3714	Res, 22 ohm, 5%, 1/16W, Metalized Glass	3198 021 32290
	3716	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3717	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720

S = Safety Part   Be sure to use exact replacement part.

32PT842H37A (continued)

3718	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3725	Res, 1M, 5%, 1/16W, Metalized Glass. .	3198 021 31050
3728	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3731	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3732	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3733	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3739	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3740	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3741	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3744	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3745	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3746	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
3747	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
3748	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
3749	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
3754	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3755	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3757	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3759	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3790	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3791	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3792	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3793	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3794	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3795	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3796	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3797	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3900	Inductor, 100MHz, 600 ohm.	3198 018 90040
3901	Inductor, 100MHz, 600 ohm.	3198 018 90040
3902	Inductor, 100MHz, 600 ohm.	3198 018 90040
3903	Inductor, 100MHz, 600 ohm.	3198 018 90040
3904	Inductor, 100MHz, 600 ohm.	3198 018 90040
3905	Inductor, 100MHz, 600 ohm.	3198 018 90040
3906	Inductor, 100MHz, 600 ohm.	3198 018 90040
3907	Inductor, 100MHz, 600 ohm.	3198 018 90040
3908	Inductor, 100MHz, 600 ohm.	3198 018 90040
3909	Inductor, 100MHz, 600 ohm.	3198 018 90040
3910	Inductor, 100MHz, 600 ohm.	3198 018 90040
3911	Inductor, 100MHz, 600 ohm.	3198 018 90040
4302	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4303	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4304	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4322	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4326	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4369	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4401	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4406	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4407	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4409	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4520	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4522	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4603	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4604	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4610	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4611	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4613	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4632	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4633	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4642	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4645	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4652	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4682	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4683	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4684	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4685	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4686	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4687	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4688	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4689	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4712	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4713	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4714	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4715	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4716	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4717	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4723	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4724	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4726	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4732	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4734	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4792	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4793	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4901	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4902	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4903	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4904	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4905	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4906	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4907	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4908	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4909	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4919	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4920	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4921	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4925	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4927	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4928	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4929	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4935	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4937	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4938	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4939	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4944	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4945	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4946	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4947	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4948	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4949	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4950	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4951	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4952	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4953	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4954	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5301	Coil, 6u8.	3198 018 36880
5302	Coil, 6u8.	3198 018 36880
5303	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5304	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5305	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5306	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5307	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5308	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5309	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5401	Coil, 390n	3198 018 33970
5406	Coil, 15u.	3198 018 31590
5407	Ferrite Bead, 100MHz	2422 535 95427
5408	Variable Coil.	2422 549 44875
5409	Ferrite Bead, 100MHz	2422 535 95427
5410	Coil, 1u	3198 018 51080
5412	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5413	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5414	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5651	Ferrite Bead, 100MHz	2422 549 43769
5652	Ferrite Bead, 100MHz	2422 549 43769
5653	Ferrite Bead, 100MHz	2422 549 43769
5654	Inductor, 100MHz, 30 ohm	3198 018 90060
5656	Coil, 6u8.	3198 018 36880
5657	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5658	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5659	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5660	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5661	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5662	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5663	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5664	Inductor, 100MHz, 30 ohm	3198 018 90060
5665	Inductor, 100MHz, 30 ohm	3198 018 90060
5666	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5667	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5668	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5701	Inductor, 100MHz, 600 ohm.	3198 018 90080
5702	Ferrite Bead, 100MHz	2422 535 95427
5703	Inductor, 100MHz, 30 ohm	3198 018 90060
5705	Ferrite Bead, 100MHz	2422 535 95427
5706	Coil, 5u6.	3198 018 35680
5707	Inductor, 100MHz, 600 ohm.	3198 018 90040
5711	Inductor, 100MHz, 600 ohm.	3198 018 90040
5713	Inductor, 100MHz, 600 ohm.	3198 018 90040
5718	Coil, 330n	3198 018 33370
5720	Inductor, 100MHz, 600 ohm.	3198 018 90040
5798	Inductor, 100MHz, 30 ohm	3198 018 90060
5799	Inductor, 100MHz, 30 ohm	3198 018 90060
5900	Inductor, 100MHz, 30 ohm	3198 018 90060
5901	Inductor, 100MHz, 30 ohm	3198 018 90060
5902	Inductor, 100MHz, 30 ohm	3198 018 90060
5903	Inductor, 100MHz, 30 ohm	3198 018 90060
5904	Inductor, 100MHz, 30 ohm	3198 018 90060
6003	Diode, BAS316.	3198 010 10630
6303	Zener Diode, 47 volt	9340 389 00115
6304	Diode, BAS316.	3198 010 10630
6306	Zener Diode, 5.6 volt.	3198 020 55680
6307	Diode, 1PS76SB10	9340 453 90115
6309	Diode, BAS316.	3198 010 10630
6310	Zener Diode, 6.8 volt.	3198 020 56880
6311	Zener Diode, 22 volt	3198 020 52290
6312	Diode, BAS316.	3198 010 10630
6313	Zener Diode, 22 volt	3198 020 52290
6314	Diode, BAS316.	3198 010 10630
6315	Diode, BAS316.	3198 010 10630
6316	Diode, BAS316.	3198 010 10630
6317	Diode, BAS316.	3198 010 10630
6319	Diode, BAS316.	3198 010 10630
6652	Zener Diode, 10 volt	3198 020 51090
6654	Diode, BAS316.	3198 010 10630
6657	Zener Diode, 2.7 volt.	9340 548 43115
6658	Diode, BAS316.	3198 010 10630

S = Safety Part   Be sure to use exact replacement part.

32PT842H37A (continued)

7001	IC, SAA5677/HL/M1.	9352 692 99557
7002	Transistor, PNP, BC857B(COL)	3198 010 42150
7003	Transistor, NPN, BC847BW(COL).	3198 010 42310
7004	Transistor, NPN, BC847BW(COL).	3198 010 42310
7005	IC, LD1117D33.	9322 116 74668
7006	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7007	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7009	IC, LD1117D33.	9322 116 74668
7012	IC, M24C32	9322 124 74668
7013	Transistor, NPN, PDTC144EU	3198 010 44330
7301	IC, TDA9330H/N3.	9352 681 65518
7303	Transistor, NPN, BC857BW(COL).	3198 010 42320
7304	Transistor, NPN, PDTC144EU	3198 010 44330
7305	Transistor, NPN, BC847BW(COL).	3198 010 42310
7306	Transistor, NPN, BC847BW(COL).	3198 010 42310
7308	Transistor, NPN, PDTC144EU	3198 010 44330
7309	Transistor, NPN, PDTC144EU	3198 010 44330
7310	Transistor, NPN, PDTC144EU	3198 010 44330
7311	Transistor, NPN, BC847BW(COL).	3198 010 42310
7312	Transistor, NPN, BC847BW(COL).	3198 010 42310
7313	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7314	Transistor, NPN, BC847BW(COL).	3198 010 42310
7315	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7318	Transistor, NPN, BC857BW(COL).	3198 010 42320
7320	Transistor, NPN, BC847BW(COL).	3198 010 42310
7322	Transistor, NPN, BC847BW(COL).	3198 010 42310
7323	IC, TDA9321H/N2.	9352 625 24518
7324	Transistor, NPN, BC847CW	9340 217 80115
7375	Transistor, NPN, BC847BW(COL).	3198 010 42310
7410	Transistor, NPN, BC847BW(COL).	3198 010 42310
7411	Transistor, NPN, BC847B(COL)	3198 010 42030
7413	Transistor, NPN, BFS20	9330 921 11215
7651	IC, MSP3421G-FH-B8V3	9322 183 23671
7664	Transistor, NPN, BC847BPN.	9340 425 30115
7665	Transistor, NPN, BC847BPN.	9340 425 30115
7668	Transistor, NPN, BC857BW(COL).	3198 010 42320
7675	Transistor, NPN, BC847BS	9340 425 20115
7678	Transistor, NPN, BC847BS	9340 425 20115
7701	Transistor, NPN, BC857BW(COL).	3198 010 42320
7702	Transistor, NPN, BC847BW(COL).	3198 010 42310
7704	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7708	IC, SAA4990H	9352 067 50557
7709	IC, SAA4978H/V204.	9352 688 09557
7714	IC, MSM54V12222B-25JS.	9322 183 81668
7715	IC, MSM54V12222B-25JS.	9322 183 81668
7716	32 Pin IC Socket	2422 486 80938
7716	IC, M87C257-90C1	9322 130 45668
7717	IC, ROM, M87C257	3104 317 03241
7799	Software Package, FBX PICNIC	3104 317 43241
8302	Cable, 2 Pin, 180mm.	3104 311 03031
8303	Cable, 5 Pin, 400mm.	3104 311 05381
8304	Cable, 7 Pin, 280mm.	3104 311 03241
8680	Cable, 6 Pin, 340mm.	3104 311 03231
8681	Cable, 3 Pin, 280mm.	3104 311 03461
8682	Foil, 10 Pin, 340mm.	3104 311 02953

3D Comb Filter

	3D Comb Filter	
CBA	3D Comb Filter	3135 037 10301
1001	Crystal, 20MHz	2422 543 01273
1104	5 Pin Board Connector.	2422 025 15848
1303	6 Pin Board Connector.	2422 025 10428
1951	5 Pin Board Connector.	2422 025 15848
2000	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2001	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2002	Cap, 47u, 20%, 20v, Electrolytic	3198 032 58170
2003	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2004	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2006	Cap, 47u, 20%, 20v, Electrolytic	3198 032 58170
2008	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2009	Cap, 1u, 20%, 50v, Electrolytic.	3198 030 81080
2010	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2011	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2012	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2013	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2014	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2015	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2016	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2017	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2018	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2019	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2020	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2021	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2022	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2023	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2024	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2026	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2029	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2032	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2033	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2034	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2035	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2036	Cap, 1u, 20%, 50v, Electrolytic.	3198 030 81080
2037	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2041	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2042	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2043	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
2044	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2045	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2046	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
2047	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2048	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2049	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
2051	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2052	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2053	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2054	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2055	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2056	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2057	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2059	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2061	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2062	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2063	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2064	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2065	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2066	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2067	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2068	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2069	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2070	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
3000	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3001	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3002	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3003	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3004	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3005	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3006	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3007	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3008	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3009	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3010	Res, 5K6, 5%, 1/16W, Metalized Glass .	3198 021 35620
3011	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3012	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3013	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
3014	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3015	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3016	Res, 33 ohm, 5%, 1/16W, Metalized Glass	3198 021 33390
3017	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
3018	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3019	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3020	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3021	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3022	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3023	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3024	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3025	Res, 5K6, 5%, 1/16W, Metalized Glass .	3198 021 35620
3026	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3027	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3028	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
3029	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3030	Res, 820 ohm, 5%, 1/16W, Metalized Glas	3198 021 38210
3031	Res, 12K, 5%, 1/16W, Metalized Glass .	3198 021 31230
3032	Res, 12K, 5%, 1/16W, Metalized Glass .	3198 021 31230
3033	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3034	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3035	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3036	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
3037	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3038	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3039	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3040	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3041	Res, 820 ohm, 5%, 1/16W, Metalized Glas	3198 021 38210
3042	Res, 3K3, 1%, 1/16W, Metalized Glass .	2322 704 73302
3043	Res, 1K5, 5%, 1/16W, Metalized Glass .	3198 021 31520
3044	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3055	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3056	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3057	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
3058	Res, 220K, 5%, 1/16W, Metalized Glass.	3198 021 32240
3059	Res, 27K, 5%, 1/16W, Metalized Glass .	3198 021 32730
3060	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3061	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
3065	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3067	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3068	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3069	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
3071	Res, 1K5, 5%, 1/16W, Metalized Glass .	3198 021 31520
3072	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720

S = Safety Part   Be sure to use exact replacement part.

3073	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3074	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3076	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3077	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3082	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3083	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3085	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3088	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3089	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3091	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3095	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
3096	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3097	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
3098	Res, 5K6, 5%, 1/16W, Metalized Glass .	3198 021 35620
3099	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3100	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3101	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3102	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S 3103	Res, PTC, Overload Protection.	2122 662 00139
S 3104	Res, PTC, Overload Protection.	2122 662 00139
3105	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
5000	Coil, 100MHz, 120 ohm.	3198 018 90070
5001	Coil, 100MHz, 120 ohm.	3198 018 90070
5003	Filter, 14.3MHz.	2422 549 44784
5004	Filter, 14.3MHz.	2422 549 44784
5005	Coil, 10u.	3198 018 41090
5006	Filter, 14.3MHz.	2422 549 44785
5007	Coil, 10u.	3198 018 41090
5008	Coil, 22u.	3198 018 72290
5009	Coil, 22u.	3198 018 72290
5010	Coil, 15u.	2422 535 94758
5011	Coil, 100MHz, 120 ohm.	3198 018 90070
5012	Coil, 100MHz, 120 ohm.	3198 018 90070
5013	Coil, 100MHz, 120 ohm.	3198 018 90070
5014	Inductor, 100MHz, 30 ohm	3198 018 90060
5015	Inductor, 100MHz, 30 ohm	3198 018 90060
5017	Coil, 100MHz, 120 ohm.	3198 018 90070
5019	Coil, 10u.	3198 018 41090
5020	Coil, 10u.	3198 018 41090
5021	Coil, 100MHz, 120 ohm.	3198 018 90070
5022	Coil, 100MHz, 120 ohm.	3198 018 90070
5024	Coil, 100MHz, 120 ohm.	3198 018 90070
5025	Coil, 100MHz, 120 ohm.	3198 018 90070
5027	Coil, 100MHz, 120 ohm.	3198 018 90070
5028	Coil, 100MHz, 120 ohm.	3198 018 90070
5029	Coil, 100MHz, 120 ohm.	3198 018 90070
5030	Coil, 100MHz, 120 ohm.	3198 018 90070
6000	Diode, BAV99	3198 010 10620
6001	Diode, BAV99	3198 010 10620
6002	Diode, BAV99	3198 010 10620
6003	LED, TLMH3100.	9322 072 71685
6004	Diode, Rect, SM S1D	9322 128 69685
6005	Diode, Rect, SM S1D	9322 128 69685
6006	Diode, 1PS76SB10	9340 453 90115
6007	Diode, BAS17	9335 262 30215
7000	Transistor, NPN, BC847B.	9335 895 90215
7001	Transistor, PNP, BC857B.	9335 897 60215
7002	Transistor, NPN, BF570	9338 144 20215
7003	Transistor, PNP, BC857B.	9335 897 60215
7004	Transistor, NPN, BC847B.	9335 895 90215
7005	Transistor, PNP, BC857B.	9335 897 60215
7006	Transistor, NPN, BF570	9338 144 20215
7007	Transistor, PNP, BC857B.	9335 897 60215
7008	Transistor, NPN, BC847B.	9335 895 90215
7009	Transistor, PNP, BC857B.	9335 897 60215
7010	Transistor, NPN, BC847B.	9335 895 90215
7011	Transistor, NPN, BC847B.	9335 895 90215
7012	Transistor, PNP, BF550	9334 509 00215
7015	Transistor, NPN, BC847B.	9335 895 90215
7016	Transistor, PNP, BC857B.	9335 897 60215
7017	Transistor, NPN, BC847B.	9335 895 90215
7019	IC, LM809M3X	9322 163 48668
7020	Transistor, NPN, BC847B.	9335 895 90215
7021	IC, LD1117DT33	9322 134 45668
7022	IC, LD1117DT25	9322 160 50668
7023	IC, UPD64083GF	9322 170 65671

Side A/V Panel

Side A/V Panel

CBA	Side A/V Panel	3139 137 29041
0240	11 Pin Board Connector	2422 025 12485
1254	Headphone Jack	2422 026 04747
1255	3 Pin Cinch Jack	2422 026 04815
1256	SVHS Jack.	2422 026 04926
2286	Cap, 150p, 10%, 50v, Ceramic	3198 019 11510
2288	Cap, 150p, 10%, 50v, Ceramic	3198 019 11510
2292	Cap, 470p, 10%, 50v, Ceramic	3198 019 14710
2294	Cap, 470p, 10%, 50v, Ceramic	3198 019 14710
2296	Cap, 4n7, +80/-20%, 50v, Ceramic . . .	3198 019 24720
2297	Cap, 4n7, +80/-20%, 50v, Ceramic . . .	3198 019 24720
3285	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
3286	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
3287	Res, 75 ohm, 5%, 1/6W, Carbon Film . .	3198 011 07590
3288	Res, 10 ohm, 5%, 1/6W, Carbon Film . .	3198 011 01090
3289	Res, 1K8, 5%, 1/6W, Carbon Film. . . .	3198 011 01820
3291	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3292	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
3293	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3294	Res, 47K, 5%, 1/10W, Metalized Glass .	3198 021 54730
3295	Res, 3K9, 5%, 1/6W, Carbon Film. . . .	3198 011 03920
3296	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
3297	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
4241	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4243	Res, Zero ohm, "Chip" Jumper	3198 021 90020
6291	Zener Diode, 12 volt	3198 020 51290
6292	Zener Diode, 12 volt	3198 020 51290
6293	Zener Diode, 12 volt	3198 020 51290
6294	Zener Diode, 12 volt	3198 020 51290
6296	Zener Diode, 12 volt	3198 020 51290
6297	Zener Diode, 12 volt	3198 020 51290
9231	Wire Jumper.	3198 036 90010
9232	Wire Jumper.	3198 036 90010

Top Control Panel

Top Control Panel

Top Control Panel

Top Control Panel

CBA	Top Control Panel.	3139 137 25671
0158	CBLE HR-BK 3P/1340/3P HR-BK.	3139 131 01711
0215	3 Pin Board Connector.	2422 025 09191
1091	Switch	2422 128 02742
1092	Switch	2422 128 02742
1093	Switch	2422 128 02742
1094	Switch	2422 128 02742
2010	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
3091	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3092	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
3093	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3094	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
3095	Res, 3K3, 5%, 1/16W, Metalized Glass .	3198 021 33320
3096	Res, 1K5, 5%, 1/16W, Metalized Glass .	3198 021 31520
4089	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4090	Res, Zero ohm, "Chip" Jumper	3198 021 90030
6091	Diode, BAT254.	9340 393 00115

DC Shift Panel

DC Shift Panel

CBA	DC Shift Panel	3104 328 12141
0317	2 Pin Board Connector.	4822 265 20723
0318	2 Pin Board Connector.	4822 265 20723
S 1430	Fuse, 400MA, 65V	2422 086 10581
2430	Cap, 470p, 10%, 500V, Ceramic.	4822 122 31177
2431	Cap, 470p, 10%, 500V, Ceramic.	4822 122 31177
5430	DC Shift Coil.	3128 138 38911
6432	Diode, Rect, BYD33V.	9340 317 00133
6433	Diode, Rect, BYD33V.	9340 317 00133

DAF Panel

DAF Panel

CBA	DAF Panel.	3104 328 20672
1417	2 Pin Board Connector.	2422 025 16269
1418	2 Pin Board Connector.	2422 025 16374
1419	2 Pin Board Connector.	2422 025 16269
1492	3 Pin Board Connector.	2422 025 16382
1497	Contact Pin.	2422 015 18552
1693	Contact Pin.	2422 034 20021
2800	Cap, 330p, 5%, 2000v, Polypropylene. .	2222 375 90495
2809	Cap, 100u, 20%, 25v, Electrolytic. . .	3198 025 31010
2812	Cap, 10n, 5%, 2000v, Polypropylene . .	2222 375 90175
2813	Cap, 10u, 20%, 50v, Electrolytic . . .	3198 025 51090
2814	Cap, 1n, 5%, 2000v, Polypropylene. . .	2222 375 90225
2818	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
2820	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
2821	Cap, 68n, 5%, 400v, Metalized Polypropy lene	2222 479 90166
2822	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
2823	Cap, 4u7, 20%, 50v, Electrolytic . . .	3198 025 54780
2824	Cap, 10u, 20%, 50v, Electrolytic . . .	3198 025 51090
2825	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
2890	Cap, 390p, 5%, 2000v, Polypropylene. .	2222 375 90188
2892	Cap, 4u7, 20%, 50v, Electrolytic . . .	3198 025 54780
S 3807	Res, 15 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03159
S 3808	Res, 15 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03159
S 3809	Res, 10 ohm, 5%, 1/3W, Metal Film. . .	2306 204 03109
3810	Res, 470K, 5%, 1/2W, Metalized Glass .	2322 242 13474
3811	Res, 4M7, 5%, 1/4W, Metalized Glass. .	2322 241 53475
3812	Res, 27K, 5%, 1/6W, Carbon Film. . . .	3198 011 02730
3813	Res, 470K, 5%, 1/6W, Carbon Film . . .	3198 011 04740
3814	Res, 100K, 5%, 1/4W, Metalized Glass .	2322 241 53104
3815	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3816	Res, 6K8, 5%, 1/6W, Carbon Film. . . .	3198 011 06820
3818	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3819	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020

S = Safety Part   Be sure to use exact replacement part.

	3820	Res, 3K3, 5%, 1/10W, Metalized Glass	3198 021 53320
	3821	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3822	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3823	Res, 1K8, 5%, 1/10W, Metalized Glass	3198 021 51820
	3824	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3826	Res, 12K, 5%, 1/10W, Metalized Glass	3198 021 51230
	3827	Res, 5K6, 5%, 1/10W, Metalized Glass	3198 021 55620
	3830	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3831	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3832	Res, 1K8, 5%, 1/10W, Metalized Glass	3198 021 51820
	3833	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
S	3898	VDR, 1100V	2322 592 14217
S	3899	VDR, 1100V	2322 592 14217
	3998	Res, 330 ohm, 5%, 1/6W, Carbon Film.	3198 011 03310
S	5800	Transformer, DAF, S21975-03.	2422 531 02437
	5801	Transformer, Self Correction	3128 138 38881
	5810	Bridge Coil.	3128 138 40042
	6810	Diode, Rect, BYD33V	9340 317 00133
	6812	Zener Diode, 22 volt	3198 010 22290
	7810	Power FET, STP3NB80FP.	9322 136 03687
	7818	Transistor, NPN, BC847B(COL)	3198 010 42030
	7820	Transistor, NPN, BC847B(COL)	3198 010 42030
	7821	Transistor, PNP, BC857B(COL)	3198 010 42150
	7822	Transistor, NPN, BC847B(COL)	3198 010 42030
	7823	Transistor, PNP, BC857B(COL)	3198 010 42150
	9805	Wire Jumper.	3198 036 90010

Mains/Front Interface Panel

		Mains/Front Interface Panel	
	CBA	Mains/Front Interface Panel.	3139 187 11471
	0214	5 Pin Board Connector.	2422 025 06353
	1000	Switch	2422 128 02742
	1002	IR Receiver, TSOP1836UH.	9322 127 54667
S	1008	LED, LTL-10234WHCR	9322 185 69682
	2001	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2002	Cap, 10n, +80/-20%, 50v, Ceramic	3198 019 21030
	3001	Res, 470 ohm, 5%, 1/6W, Carbon Film.	3198 011 04710
	3003	Res, 1K8, 5%, 1/6W, Carbon Film.	3198 011 01820
	3004	Res, 220 ohm, 5%, 1/6W, Carbon Film.	3198 011 02210

2 Tuner PIP Panel

		2 Tuner PIP Panel	
	CBA	2 Tuner PIP Panel.	3139 187 28511
	0200	5 Pin Board Connector.	2422 025 12481
	0201	10 Pin Board Connector	2422 025 12484
	0205	10 Pin Board Connector	2422 025 16587
	0236	3 Pin Board Connector.	2422 025 16382
	0272	3 Pin Board Connector.	2422 025 16382
	1802	Crystal, 14.31818MHz	2422 543 00904
	1900	Tuner.	2422 542 90077
	1901	SAW Filter, 45.75MHz	2422 549 43074
	1902	Crystal, 4.5MHz.	2422 549 40807
	2801	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2803	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2804	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2805	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2806	Cap, 220u, 20%, 10v, Electrolytic.	3198 025 12210
	2807	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
	2808	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2809	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2810	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2811	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2812	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2813	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2814	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2815	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2816	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2819	Cap, 12p, 5%, 50v, Ceramic	3198 016 01290
	2820	Cap, 220n, +80/-20%, 25v, Ceramic.	3198 023 22240
	2821	Cap, 220n, +80/-20%, 25v, Ceramic.	3198 023 22240
	2822	Cap, 33n, 10%, 50v, Ceramic.	3198 017 03330
	2823	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2824	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2825	Cap, 470n, +80/-20%, 16v, Ceramic.	3198 017 24740
	2826	Cap, 560p, 5%, 50v, Ceramic.	3198 016 05610
	2827	Cap, 470n, +80/-20%, 16v, Ceramic.	3198 017 24740
	2828	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2829	Cap, 1u, +80/-20%, 16v, Ceramic.	3198 017 21050
	2830	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2831	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2832	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2833	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2836	Cap, 470n, +80/-20%, 16v, Ceramic.	3198 017 24740
	2837	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2840	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2841	Cap, 470n, +80/-20%, 16v, Ceramic.	3198 017 24740
	2842	Cap, 220u, 20%, 25v, Electrolytic.	3198 025 32210
	2890	Cap, 220u, 20%, 25v, Electrolytic.	3198 025 32210
	2891	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2892	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2893	Cap, 220u, 20%, 25v, Electrolytic.	3198 025 32210
	2894	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2895	Cap, 47p, 5%, 50v, Ceramic	3198 019 04790
	2897	Cap, 220u, 20%, 25v, Electrolytic.	3198 025 32210
	2898	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2911	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2915	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2916	Cap, 1n, 10%, 50v, Ceramic	3198 017 01020
	2917	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2920	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	2921	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2923	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2924	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2925	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2926	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2927	Cap, 470n, 20%, 50v, Electrolytic.	3198 025 54770
	2928	Cap, 22n, 10%, 50v, Ceramic.	3198 017 02230
	2929	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	2930	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2931	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2932	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2933	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2934	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2935	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2936	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	2937	Cap, 1u, +80/-20%, 16v, Ceramic.	3198 017 21050
	2952	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2953	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2954	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2955	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2956	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2957	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2958	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2959	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2960	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2961	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2962	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	3806	Res, 1K5, 5%, 1/10W, Metalized Glass	3198 021 51520
	3807	Res, 1K2, 5%, 1/10W, Metalized Glass	3198 021 51220
	3812	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3813	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
	3814	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3815	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3816	Res, 820 ohm, 5%, 1/10W, Metalized Glas	3198 021 58210
	3817	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3818	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
	3819	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3820	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3821	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 021 53910
	3822	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 021 53910
	3823	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 021 53910
	3824	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
	3827	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3828	Res, 4M7, 5%, 1/10W, Metalized Glass	3198 021 54750
	3829	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
	3830	Res, 2K2, 5%, 1/10W, Metalized Glass	3198 021 52220
	3831	Res, 1M, 5%, 1/10W, Metalized Glass.	3198 021 51050
	3832	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3833	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3834	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3836	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3839	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3840	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3844	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3845	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3849	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3850	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3853	Res, 3K3, 5%, 1/10W, Metalized Glass	3198 021 53320
	3857	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3858	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3860	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3864	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3866	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3870	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3871	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3872	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3890	Res, 68 ohm, 5%, 1/6W, Carbon Film	3198 011 06890
	3914	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3915	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3916	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3917	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3918	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3919	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3920	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3921	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3922	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3933	Res, 3K3, 5%, 1/10W, Metalized Glass	3198 021 53320
	3934	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3936	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3937	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3938	Res, 2R2, 5%, 1/6W, Carbon Film.	3198 011 02280
	3939	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3942	Trim Pot, 47K.	2120 363 90166
	3943	Res, 5K6, 5%, 1/10W, Metalized Glass	3198 021 55620

S = Safety Part   Be sure to use exact replacement part.

3944	Trim Pot, 47K.	2120 363 90166
3945	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
3948	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
3949	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
3950	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
3951	Res, 22K, 5%, 1/10W, Metalized Glass .	3198 021 52230
3952	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3953	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
3955	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 021 53910
3956	Res, Zero ohm, "Chip" Jumper	3198 021 90020
3957	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
3958	Res, 120 ohm, 5%, 1/10W, Metalized Glas	3198 021 51210
3960	Res, Zero ohm, "Chip" Jumper	3198 021 90020
3961	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
3964	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
3965	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
3969	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
3970	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 021 53910
3971	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
3972	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
4803	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4804	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4805	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4808	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4809	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4810	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4812	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4813	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4814	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4815	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4817	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4818	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4819	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4821	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4901	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4910	Res, Zero ohm, "Chip" Jumper	3198 021 90020
5890	Coil, 10u.	3198 018 21090
5891	Coil, 10u.	3198 018 21090
5892	Coil, 10u.	3198 018 21090
5893	Coil, 10u.	3198 018 21090
5894	Coil, 10u.	3198 018 21090
5895	Coil, 10u.	3198 018 21090
5901	Coil, 91.5MHz.	3139 128 23341
5902	Coil, 4u7.	3198 018 24780
5903	Coil, 820n	3198 018 38270
5905	Coil, 4u7.	3198 018 14780
5906	Coil, 5u6.	3198 018 15680
5907	Coil, 4u7.	3198 018 14780
5908	Coil, 4u7.	3198 018 14780
5909	Coil, 4u7.	3198 018 14780
5910	Coil, 4u7.	3198 018 14780
6801	Diode, BAT84	9336 247 60133
6890	Zener Diode, 3.9 volt.	3198 020 53980
7803	IC, M65669SP	9322 146 60682
7804	Transistor, NPN, BC847B(COL)	3198 010 42030
7805	Transistor, NPN, BC847B(COL)	3198 010 42030
7806	Transistor, NPN, BC847B(COL)	3198 010 42030
7807	Transistor, NPN, BC847B(COL)	3198 010 42030
7810	Transistor, NPN, BC847B(COL)	3198 010 42030
7813	Transistor, NPN, BC847B(COL)	3198 010 42030
7816	Transistor, NPN, BC847B(COL)	3198 010 42030
7817	Transistor, NPN, BC847B(COL)	3198 010 42030
7891	Transistor, NPN, BC337-25(COL)	3198 020 43530
7910	IC, TEA6425.	9322 051 89682
7914	IC, TDA9801/V1	9352 606 44112
7915	Transistor, NPN, BC847B(COL)	3198 010 42030
7917	Transistor, NPN, BC847B(COL)	3198 010 42030
7918	Transistor, NPN, BC847B(COL)	3198 010 42030
7919	IC, TDA8601T/C1.	9351 538 90518
7920	Transistor, NPN, BC847B(COL)	3198 010 42030
9800	Wire Jumper.	3198 036 90010
9802	Wire Jumper.	3198 036 90010
9803	Wire Jumper.	3198 036 90010
9804	Wire Jumper.	3198 036 90010
9805	Wire Jumper.	3198 036 90010
9808	Wire Jumper.	3198 036 90010
9810	Wire Jumper.	3198 036 90010
9811	Wire Jumper.	3198 036 90010
9812	Wire Jumper.	3198 036 90010
9813	Wire Jumper.	3198 036 90010
9814	Wire Jumper.	3198 036 90010
9815	Wire Jumper.	3198 036 90010
9816	Wire Jumper.	3198 036 90010
9817	Wire Jumper.	3198 036 90010
9818	Wire Jumper.	3198 036 90010
9823	Wire Jumper.	3198 036 90010
9824	Wire Jumper.	3198 036 90010
9902	Wire Jumper.	3198 036 90010
9908	Wire Jumper.	3198 036 90010
9915	Wire Jumper.	3198 036 90010
9923	Wire Jumper.	3198 036 90010

High Definition Jack Panel

High Definition Jack Panel

Front I/O Panel

Front I/O Panel

YPbPr 1FH Interface + Expander

YPbPr 1FH Interface + Expander

	CBA	YPbPr 1FH Interface + Expander	3104 328 25301
	0025	Contact Pin.	2422 034 20021
	0224	5 Pin Board Connector.	2422 025 06353
	2810	Cap, 100u, 20%, 25v, Electrolytic. . .	3198 025 31010
	2811	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	3819	Res, 3R9, 5%, 1/8W, Metalized Glass. .	2322 750 63908
	3830	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3831	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3899	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	4800	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	7806	IC, M62320FP	9322 127 15668

Cabinet Parts

Cabinet Parts

	AC01	Nameplate.	3141 050 00141
	AC02	Anode Lead Clip.	3135 014 04471
	AC04	Degaussing Coil Bracket (4 used) . . .	3139 124 32812
S	AC05	Degaussing Coil.	2422 549 44676
	AC06	Light Guide.	3139 124 39701
	AC07	Power Button	3139 138 10881
	AC08	Top Control Button	3139 124 39812
	AC09	Top Control Bracket.	3139 124 39802
	AC10	Front Interface Bracket.	3139 124 32891
	AC11	Chassis Frame.	3104 304 22832
	AC13	DAF DC Shift Bracket	3104 304 23951
	AC14	Connector, Support Bracket	3104 304 21603
	AC16	3D Comb Filter Bracket	3104 304 22432
	AC17	LOT-SSB Support.	3104 304 21114
	AC18	LOT Spacer	3104 304 22031
	AC19	Side A/V Bracket	3139 124 32802
	AC20	SSB Shielding, Bottom.	3104 301 23963
	AC21	SSB Shielding, Top	3104 301 24111
	AC22	SSB Shielding, Frame	3104 301 24124
	AC24	Cabinet Back	3139 124 45501
	AC25	Speaker, 10W, 8 ohm (2 Used)	3139 128 76081
S	AC26	CRT, A80ERF042X45.	9301 927 20539
	AC27	Cabinet Front.	3139 138 10961
	AC29	Insulator Plate.	3104 304 90361
	AC30	SSB Snap	3104 304 24111
	AC32	Owner's Manual (French).	3121 235 21071
	AC32	Owner's Manual (Spanish)	3121 235 21081
	AC32	Owner's Manual (English)	3121 235 20901
S	AC33	AC Power Cord.	3135 010 03831
	AC34	Batteries for Remote Control Transmitte	9299 000 10137
	AC35	Quick Use Guide (English).	3121 233 44041
	AC35	Quick Use Guide (Spanish).	3121 233 44421
	AC35	Quick Use Guide (French)	3121 233 44411
	AC36	Cabinet Back Screw Cover (2 Used). . .	3139 124 39241
	AC38	Cabinet Front Assembly (Shown Exploded)	3121 237 53281
	AC39	Torx Driver - T10 7" length	4935 395 17249
	AC40	Torx Driver - T10 10" length.	4835 395 97018
	REMOTE	Remote Control Transmitter, RC2017/01.	3128 147 13331

CRT Panel

CRT Panel

	CBA	CRT Panel.	3139 187 28651
	0224	7 Pin Board Connector.	2422 025 11244
S	0235	Ground Clip.	3104 301 08281
	0236	Contact Pin.	2422 015 18552
S	0298	10 Pin CRT Socket.	2422 500 80063
	0340	11 Pin Board Connector	2422 025 12485
	0383	3 Pin Board Connector.	2412 020 00725
	2103	Cap, 330p, 5%, 50v, Ceramic.	3198 016 33310
	2104	Cap, 330p, 5%, 50v, Ceramic.	3198 016 33310
	2105	Cap, 330p, 5%, 50v, Ceramic.	3198 016 33310
	2118	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
	2300	Cap, 22u, 20%, 100v, Electrolytic. . .	3198 025 72290
	2301	Cap, 220u, 20%, 16v, Electrolytic. . .	3198 025 22210
	2302	Cap, 10p, 5%, 50v, Ceramic	3198 016 01090
	2303	Cap, 470p, 5%, 50v, Ceramic.	3198 016 34710
	2304	Cap, 22n, 10%, 100v, Metalized Polyeste	2222 365 85223
	2306	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2307	Cap, 22n, 10%, 50v, Ceramic.	3198 017 02230
	2308	Cap, 15p, 5%, 50v, Ceramic	3198 016 01590
	2309	Cap, 22n, 10%, 50v, Ceramic.	3198 017 02230
	2310	Cap, 18p, 5%, 50v, Ceramic	3198 016 01890
	2312	Cap, 22p, 5%, 50v, Ceramic	3198 016 02290
	2313	Cap, 100u, 20%, 250v, Electrolytic . .	2022 031 00211
	2315	Cap, 120p, 5%, 50v, Ceramic.	3198 016 01210
	2316	Cap, 100n, 10%, 250v, Metalized Polyester.	2020 308 90143
	2317	Cap, 1n2, 5%, 2000v, Polypropylene . .	2222 375 90226
	2318	Cap, 22n, +80/-20%, 50v, Ceramic . . .	3198 017 22230
	2319	Cap, 10n, +80/-20%, 50v, Ceramic . . .	3198 019 21030
	2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2337	Cap, 100p, 5%, 50v, Ceramic.	3198 016 31010

32PT842H37A (continued)

	2409	Cap, 470n, +80/-20%, 10v, Ceramic. . .	3198 017 44740
	2410	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2420	Cap, 470n, +80/-20%, 10v, Ceramic. . .	3198 017 44740
	3106	Res, 1K8, 1%, 1/16W, Metalized Glass .	2322 704 61802
	3107	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3109	Res, 1K8, 1%, 1/16W, Metalized Glass .	2322 704 61802
	3110	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3111	Trim Pot, 470 ohm, 25%	2120 358 90538
	3113	Res, 1K8, 1%, 1/16W, Metalized Glass .	2322 704 61802
	3114	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3115	Trim Pot, 470 ohm, 25%	2120 358 90538
	3116	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3117	Res, 2K7, 1%, 1/16W, Metalized Glass .	2322 704 62702
	3118	Res, 2K2, 1%, 1/16W, Metalized Glass .	2322 704 62202
	3119	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322 704 61801
	3120	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322 704 61801
	3121	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322 704 61801
	3122	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3123	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3124	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3125	Trim Pot, 470 ohm, 25%	2120 358 90538
S	3300	Res, 5R6, 5%, 1/3W, Metal Film	2306 204 03568
	3301	Res, 10K, 5%, 2 1/2W, Metal Film . . .	2322 195 63103
	3303	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3304	Res, 1K2, 5%, 1/10W, Metalized Glass .	3198 021 51220
	3307	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3308	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3309	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
	3310	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3311	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3312	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3315	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3316	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3317	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3318	Res, 15 ohm, 5%, 1/10W, Metalized Glass	3198 021 51590
	3319	Res, 1K2, 5%, 1/10W, Metalized Glass .	3198 021 51220
	3320	Res, 4K7, 5%, 1/10W, Metalized Glass .	3198 021 54720
	3334	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3338	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
	3339	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
	3340	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
S	3341	Res, 100 ohm, 5%, 1/3W, Metal Film . .	2306 204 03101
	3342	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3343	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
	3345	Res, 33 ohm, 5%, 1/6W, Carbon Film . .	3198 011 03390
	3347	Res, 1K5, 20%, 1/2W, Carbon Film . . .	3198 013 01520
	3348	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
	3349	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
	3350	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3351	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3352	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3353	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
	3355	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3356	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3357	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3358	Res, 1K5, 5%, 1/10W, Metalized Glass .	3198 021 51520
	3359	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3366	Voltage Dependent Resistor	2322 593 13507
	3375	Res, 100K, 1%, 3/5W, Metal Film. . . .	2312 915 11004
	3376	Res, 100K, 1%, 3/5W, Metal Film. . . .	2312 915 11004
	3377	Res, 100K, 1%, 3/5W, Metal Film. . . .	2312 915 11004
	3378	Res, 4R7, 5%, 1/16W, Metalized Glass .	3198 021 34780
	3379	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
	3398	Res, 18K, 5%, 1/6W, Carbon Film. . . .	3198 011 01830
	3405	Res, 39 ohm, 5%, 1/4W, Carbon Film . .	2120 101 74399
S	3412	Res, 15 ohm, 5%, 1/8W, Metalized Glass	2322 750 61509
	3413	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3414	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3416	Res, 39 ohm, 5%, 1/4W, Carbon Film . .	2120 101 74399
	4115	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	4301	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4302	Res, Zero ohm, "Chip" Jumper	3198 021 90030
S	5300	Transformer, S13974-03	3104 308 20571
	6100	Zener Diode, 5.6 volt.	3198 020 55680
	6305	Diode, BAS321.	9340 553 52115
	6306	Diode, BAS321.	9340 553 52115
	6307	Diode, BAS321.	9340 553 52115
	6308	Diode, MCL4148	9322 128 15685
	6309	Diode, MCL4148	9322 128 15685
	7300	Transistor, NPN, BF199	9330 634 20126
	7301	Transistor, NPN, BFS20	9330 921 11215
	7302	Transistor, PNP, 2SA1358	9322 166 55682
	7303	Transistor, NPN, 2SC3421	9322 166 56682
	7304	Transistor, PNP, BF824	9337 223 50215
	7307	IC, TDA6103Q/N3.	9352 079 80112
	7308	Transistor, NPN, BFS20	9330 921 11215
	9301	Wire Jumper.	3198 036 90010
	9302	Wire Jumper.	3198 036 90010
	9305	Wire Jumper.	3198 036 90010
	9307	Wire Jumper.	3198 036 90010
	9308	Wire Jumper.	3198 036 90010
	9309	Wire Jumper.	3198 036 90010
	9313	Wire Jumper.	3198 036 90010
	9314	Wire Jumper.	3198 036 90010
	9316	Wire Jumper.	3198 036 90010
	9317	Wire Jumper.	3198 036 90010
	9318	Wire Jumper.	3198 036 90010
	9321	Wire Jumper.	3198 036 90010
	9322	Wire Jumper.	3198 036 90010
	9323	Wire Jumper.	3198 036 90010
	9324	Wire Jumper.	3198 036 90010
	9325	Wire Jumper.	3198 036 90010
	9326	Wire Jumper.	3198 036 90010
	9330	Wire Jumper.	3198 036 90010
	9333	Wire Jumper.	3198 036 90010
	9336	Wire Jumper.	3198 036 90010
	9337	Wire Jumper.	3198 036 90010
	9401	Wire Jumper.	3198 036 90010
	9403	Wire Jumper.	3198 036 90010

S = Safety Part   Be sure to use exact replacement part.

36PT842H37D - Manual no. 7644

Large Signal Panel

		Large Signal Panel	
	CBA	Large Signal Panel	3104 328 25181
S	0010	2 Pin Board Connector	2422 025 16374
S	0020	2 Pin Board Connector	2422 025 16375
	0150	Fuse Holder	2422 088 00271
	0153	Fuse Holder	2422 088 00271
	0203	4 Pin Board Connector	2422 025 04852
	0204	6 Pin Board Connector	2422 025 04854
	0317	2 Pin Board Connector	2422 025 16269
	0324	7 Pin Board Connector	2422 025 04855
	0325	3 Pin Board Connector	2422 025 16382
	0390	3 Pin Board Connector	2412 020 00725
	0391	Contact Pin	2422 015 18552
	0392	3 Pin Board Connector	2422 025 04851
	1001	Spark Gap	2422 549 42349
S	1002	Relay, 5 Amp, 5V	2422 132 07411
	1200	Tuner	2422 542 90115
S	1401	Fuse, T315MA, 250V	2422 086 10465
S	1501	Fuse, T6A3, 250V	2422 086 00194
S	1503	Fuse, F2A5, 250V	2422 086 10987
	1735	3 Pin Board Connector	2422 025 16407
	1736	3 Pin Board Connector	2422 025 16382
	1900	12 Pin Cinch Jack	2422 026 05064
	1901	SVHS Jack	2422 026 04926
	1920	5 Pin Board Connector	2422 025 04853
	1921	3 Pin Board Connector	2422 025 04851
	1923	80 Pin SIMM Socket	2422 025 16599
	1936	11 Pin Board Connector	2422 025 12485
	1937	10 Pin Board Connector	2422 025 12484
	1940	11 Pin Board Connector	2422 015 18953
	1943	3 Pin Board Connector	2422 025 09191
	1945	3 Pin Board Connector	2412 020 00725
	1946	2 Pin Board Connector	2422 025 09405
	1947	5 Pin Board Connector	2422 025 12481
	1951	5 Pin Board Connector	2422 025 04853
S	1975	Fuse, 250MA, 65V	2422 086 10578
	2101	Cap, 2n2, 10%, 50v, Ceramic	3198 019 12220
	2102	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2104	Cap, 2u2, 20%, 16v, Electrolytic	3198 026 22220
	2106	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2108	Cap, 10n, 10%, 400v, Metalized Polyeste	2222 365 55103
	2109	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
	2110	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
S	2112	Cap, 100n, 20%, 275v, Metalized Polypropylene	2222 336 29144
	2113	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2115	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
	2116	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
	2117	Cap, 220p, 10%, 500v, Ceramic	3198 019 42210
	2120	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2132	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2200	Cap, 470u, 20%, 10v, Electrolytic	3198 025 14710
	2201	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2202	Cap, 220n, +80/-20%, 50v, Ceramic	2238 580 19814
	2203	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2400	Cap, 47u, 20%, 160v, Electrolytic	2020 021 91139
	2402	Cap, 3n3, 10%, 500v, Ceramic	3198 019 43320
	2408	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2412	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2413	Cap, 10u, 20%, 50v, Electrolytic	2020 021 91548
	2414	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2415	Cap, 220p, 5%, 50v, Ceramic	3198 016 02210
S	2416	Cap, 1n, 20%, v, Ceramic	2020 554 90129
	2417	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2419	Cap, 470p, 10%, 2000v, Ceramic	2020 558 90483
	2420	Cap, 1n5, 5%, 2000v, Polypropylene	2222 375 90266
	2421	Cap, 1u2, 5%, 250v, Metalized Polypropylene	2022 333 00097
	2424	Cap, 1n, 10%, 500v, Ceramic	3198 019 41020
	2425	Cap, 12n, 5%, 1600v, Polypropylene	2022 333 00122
	2426	Cap, 18n, 5%, 630v, Polypropylene	2222 375 90218
	2429	Cap, 4n7, 10%, 400v, Metalized Polyeste	2222 365 55472
	2430	Cap, 10n, 10%, 100v, Metalized Polyeste	2222 365 85103
	2431	Cap, 1n, 10%, 500v, Ceramic	3198 019 41020
	2433	Cap, 560n, 5%, 250v, Metalized Polypropylene	2022 333 00088
	2436	Cap, 1u, 20%, 160v, Electrolytic	2020 021 90561
	2445	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2446	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2447	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2448	Cap, 470p, 5%, 50v, Ceramic	3198 016 04710
	2450	Cap, 100n, 10%, 100v, Metalized Polyester	2222 365 85104
	2454	Cap, 1u, 10%, 16v, Ceramic	2020 552 96448
	2455	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2459	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2460	Cap, 3u3, 20%, 16v, Electrolytic	3198 026 23320
	2461	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2462	Cap, 2u2, 20%, 25v, Electrolytic	3198 026 32220
	2463	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2464	Cap, 2u2, 20%, 25v, Electrolytic	3198 026 32220
	2465	Cap, 470p, 10%, 500v, Ceramic	3198 019 44710
	2466	Cap, 100u, 20%, 10v, Electrolytic	3198 025 11010
	2467	Cap, 100u, 20%, 10v, Electrolytic	3198 025 11010
	2468	Cap, 4u7, 20%, 350v, Electrolytic	2020 021 91304
	2469	Cap, 1n5, 10%, 1000v, Ceramic	3198 019 61520
	2471	Cap, 18n, 2%, 63v, Polypropylene	2222 460 90025
	2480	Cap, 4n7, 10%, 50v, Polyester	3198 014 04720
	2485	Cap, 10n, 2%, 63v, Polypropylene	2222 460 90022
	2489	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2492	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	2493	Cap, 22n, +80/-20%, 50v, Ceramic	3198 017 22230
	2494	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2495	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2496	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2497	Cap, 220n, +80/-20%, 25v, Ceramic	3198 023 22240
	2498	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2499	Cap, 3n3, 10%, 50v, Ceramic	3198 017 03320
	2501	Cap, 2n2, 10%, 1000v, Ceramic	2020 558 90571
	2502	Cap, 2n2, 10%, 50v, Ceramic	3198 019 12220
	2503	Cap, 33n, 10%, 100v, Metalized Polyeste	2222 365 85333
S	2505	Cap, 3n3, 20%, v, Ceramic	2020 554 90174
	2506	Cap, 470n, 10%, 100v, Metalized Polyester	2222 365 25474
	2507	Cap, 470n, 20%, 275v, Metalized Polypropylene	2222 336 29148
	2509	Cap, 2n2, 10%, 1000v, Ceramic	3198 019 52220
	2510	Cap, 470u, 20%, 200v, Electrolytic	2020 024 90647
	2511	Cap, 470u, 20%, 200v, Electrolytic	2020 024 90647
	2512	Cap, 1000u, 20%, 35v, Electrolytic	3198 026 41020
	2513	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2514	Cap, 330p, 10%, 50v, Ceramic	3198 017 03310
	2515	Cap, 47u, 20%, 160v, Electrolytic	2020 021 91543
	2518	Cap, 150p, 10%, 500v, Ceramic	3198 019 41510
	2519	Cap, 2n2, 10%, 500v, Ceramic	3198 019 42220
	2520	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2521	Cap, 270p, 5%, 50v, Ceramic	3198 016 02710
	2529	Cap, 470u, 20%, 6.3v, Electrolytic	3198 025 04710
	2530	Cap, 470n, +80/-20%, 16v, Ceramic	3198 017 24740
	2531	Cap, 1n5, 10%, 500v, Ceramic	3198 019 41520
	2536	Cap, 1u, 20%, 50v, Electrolytic	3198 025 51080
S	2537	Cap, 22n, 20%, 275v, Metalized Polypropylene	2222 336 29139
	2538	Cap, 4n7, 10%, 50v, Ceramic	3198 017 04720
	2601	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2602	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2603	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2604	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2606	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2607	Cap, 4u7, 20%, 100v, Electrolytic	3198 025 74780
	2609	Cap, 220u, 20%, 16v, Electrolytic	3198 025 22210
	2610	Cap, 270n, 10%, 16v, Ceramic	2238 780 15655
	2611	Cap, 330n, 10%, 16v, Ceramic	2222 780 15656
	2620	Cap, 220n, +80/-20%, 50v, Ceramic	2238 580 19814
	2621	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 21040
	2622	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2624	Cap, 470n, 10%, 50v, Polyester	3198 014 04740
	2625	Cap, 470n, 10%, 50v, Polyester	3198 014 04740
	2627	Cap, 1u, 20%, 100v, Electrolytic	3198 025 71080
	2639	Cap, 220n, 10%, 16v, Ceramic	2238 780 15654
	2640	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
	2641	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2642	Cap, 100u, 20%, 50v, Electrolytic	2020 021 90587
	2643	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
	2653	Cap, 1n, 5%, 50v, Ceramic	3198 016 01020
	2654	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	2704	Cap, 47u, 20%, 50v, Electrolytic	3198 025 54790
	2730	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2731	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2732	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2733	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2734	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2735	Cap, 22u, 20%, 50v, Electrolytic	3198 025 52290
	2738	Cap, 470u, 20%, 16v, Electrolytic	3198 025 24710
	2739	Cap, 470u, 20%, 16v, Electrolytic	3198 025 24710
	2756	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	2758	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
	2760	Cap, 1000u, 20%, 25v, Electrolytic	3198 026 31020
	2761	Cap, 1000u, 20%, 25v, Electrolytic	3198 026 31020
	2765	Cap, 100u, 20%, 50v, Electrolytic	3198 025 51010
	2767	Cap, 220u, 20%, 25v, Electrolytic	3198 025 32210
	2782	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	2784	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2785	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
	2788	Cap, 470p, 10%, 50v, Ceramic	3198 017 04710
	2905	Cap, 3u3, 20%, 16v, Electrolytic	3198 026 23320
	2906	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2910	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2912	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2913	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2914	Cap, 100u, 20%, 10v, Electrolytic	3198 025 11010
	2917	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010

S = Safety Part   Be sure to use exact replacement part.

36PT842H37D (continued)

	2920	Cap, 100p, 5%, 50v, Ceramic	3198 016 01010
	2921	Cap, 1n, 5%, 50v, Ceramic	3198 016 01020
	2923	Cap, 330p, 5%, 50v, Ceramic	3198 016 03310
	2925	Cap, 330p, 5%, 50v, Ceramic	3198 016 03310
	2926	Cap, 470u, 20%, 6.3v, Electrolytic	3198 025 04710
	2927	Cap, 47u, 20%, 50v, Electrolytic	3198 025 54790
	2928	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
	2941	Cap, 6n8, 10%, 50v, Ceramic	3198 017 06820
	2942	Cap, 6n8, 10%, 50v, Ceramic	3198 017 06820
	2951	Cap, 1u, 20%, 50v, Electrolytic	3198 025 51080
	2952	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	2953	Cap, 47n, 10%, 25v, Ceramic	3198 023 04730
	3101	Res, 3M3, 5%, 1/4W, Metalized Glass	2322 241 53335
	3102	Res, 680 ohm, 1%, 3/5W, Metal Film	2312 915 16801
	3103	Res, 680 ohm, 1%, 3/5W, Metal Film	2312 915 16801
	3104	Res, 47 ohm, 5%, 1/6W, Carbon Film	3198 011 04790
	3105	Res, 680 ohm, 1%, 3/5W, Metal Film	2312 915 16801
	3106	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3107	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3108	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 011 01090
	3109	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
S	3110	Res, 10 ohm, 5%, 1/3W, Metal Film	2306 204 03109
	3113	Res, 22 ohm, 5%, 1/6W, Carbon Film	3198 011 02290
	3114	Res, 220 ohm, 5%, 1/6W, Carbon Film	3198 011 02210
	3117	Res, 100 ohm, 5%, 1/6W, Carbon Film	3198 011 01010
	3118	Res, 4R7, 5%, 1/6W, Carbon Film	3198 011 04780
	3119	Res, 33 ohm, 5%, 1/6W, Carbon Film	3198 011 03390
	3120	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3121	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3123	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 011 01090
	3124	Res, 68 ohm, 5%, 1/6W, Carbon Film	3198 011 06890
	3125	Res, 15 ohm, 5%, 1/6W, Carbon Film	3198 011 01590
	3126	Res, 10K, 5%, 1/6W, Carbon Film	3198 011 01030
	3127	Res, 5K6, 5%, 1/6W, Carbon Film	3198 011 05620
	3130	Res, 47 ohm, 5%, 1/6W, Carbon Film	3198 011 04790
	3148	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3200	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3201	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3202	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3203	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
S	3230	Res, 22K, 5%, 1 1/3W, Metal Film	3198 012 22230
	3237	Wire Jumper	3198 036 90010
	3402	Res, 100K, 5%, 1/10W, Metalized Glass	3198 021 51040
	3403	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3404	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3406	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3407	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3408	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3409	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3410	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3411	Res, 39 ohm, 5%, 1/4W, Carbon Film	2120 101 74399
	3414	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
S	3415	Res, 15 ohm, 5%, 2 1/2W, Metal Film	3198 012 31590
	3417	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 011 01090
	3418	Res, 33K, 1%, 3/5W, Metal Film	2312 915 13303
S	3431	Res, 330 ohm, 5%, 1/3W, Metal Film	2306 204 03331
S	3436	Res, 22K, 5%, 1 1/3W, Metal Film	3198 012 22230
	3439	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3440	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3441	Res, 1M, 5%, 1/10W, Metalized Glass	3198 021 51050
	3442	Res, 470K, 5%, 1/10W, Metalized Glass	3198 021 54740
	3443	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3444	Res, 39K, 5%, 1/10W, Metalized Glass	3198 021 53930
	3445	Res, 2K2, 5%, 1/10W, Metalized Glass	3198 021 52220
	3446	Res, 2K2, 5%, 1/10W, Metalized Glass	3198 021 52220
S	3447	Res, 22 ohm, 5%, 1/3W, Metal Film	2306 204 03229
	3450	Res, 12K, 5%, 1/6W, Carbon Film	3198 011 01230
	3451	Res, 8K2, 5%, 1/6W, Carbon Film	3198 011 08220
	3452	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3454	Res, 2K7, 5%, 1/10W, Metalized Glass	3198 021 52720
	3455	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3458	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
S	3459	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S	3460	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S	3461	Res, 1R5, 5%, 1/2W, Metal Film	2306 207 03158
S	3462	Res, 1 ohm, 5%, 1/2W, Metal Film	2306 207 03108
S	3463	Res, 1 ohm, 5%, 1/2W, Metal Film	2306 207 03108
S	3464	Res, 1 ohm, 5%, 1/2W, Metal Film	2306 207 03108
S	3465	Res, 1 ohm, 5%, 1/2W, Metal Film	2306 207 03108
S	3466	Res, 6R8, 5%, 1/2W, Metal Film	2306 207 03688
S	3467	Res, 6R8, 5%, 1/2W, Metal Film	2306 207 03688
S	3468	Res, 6R8, 5%, 1/2W, Metal Film	2306 207 03688
	3470	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3471	Res, 6K8, 5%, 1/10W, Metalized Glass	3198 021 56820
	3472	Res, 39K, 5%, 1/10W, Metalized Glass	3198 021 53930
	3473	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3474	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3475	Res, 100 ohm, 5%, 1/6W, Carbon Film	3198 011 01010
	3476	Res, 220K, 5%, 1/6W, Carbon Film	3198 011 02240
	3477	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3478	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
S	3479	Res, 100 ohm, 5%, 1 1/3W, Metal Film	3198 012 21010

	3481	Res, 100 ohm, 5%, 1/6W, Carbon Film	3198 011 01010
	3484	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3485	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3486	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3487	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3489	Res, 2K2, 5%, 1/10W, Metalized Glass	3198 021 52220
	3495	Res, 33K, 1%, 3/5W, Metal Film	2312 915 13303
	3496	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3497	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3498	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
S	3500	Res, 0R47, 10%, 7W, Wire Wound	2322 252 41477
S	3501	Res, 220 ohm, 20%, 1/2W, Carbon Film	3198 013 02210
S	3502	Res, 4M7, 5%, 1/2W, Metalized Glass	2322 242 13475
S	3503	Res, 4M7, 5%, 1/2W, Metalized Glass	2322 242 13475
	3504	Res, 470 ohm, 5%, 1/6W, Carbon Film	3198 011 04710
	3505	Res, 68K, 5%, 1/10W, Metalized Glass	3198 021 56830
	3506	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3507	Res, 160K, 1%, 3/5W, Metal Film	2312 915 11604
S	3508	Res, 6K8, 5%, 1W, Metal Film	3198 012 16820
S	3509	VDR, 800V	2322 595 90025
	3510	Res, 2K, 1%, 1/8W, Metalized Glass	2322 734 62002
	3511	Res, 3K9, 5%, 1/6W, Carbon Film	3198 011 03920
	3512	Res, 68K, 5%, 1/6W, Carbon Film	3198 011 06830
	3513	Res, 330K, 5%, 1W, Metal Film	2322 193 53334
	3514	Res, 1R2, 5%, 1W, Metal Film	2322 193 53128
	3515	Res, 0R68, 5%, 3/5W, Metal Film	3198 012 16870
	3517	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3518	Res, 100K, 5%, 1/6W, Carbon Film	3198 011 01040
	3519	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
S	3520	Res, 33K, 5%, 2 1/2W, Metal Film	3198 012 33330
S	3521	Res, 1M, 5%, 1/2W, Metalized Glass	2322 242 13105
	3522	Res, 6K8, 5%, 1/6W, Carbon Film	3198 011 06820
	3523	Res, 1M, 5%, 1/10W, Metalized Glass	3198 021 51050
	3524	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3525	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3526	Res, 0R1, 5%, 3/5W, Metal Film	3198 012 11070
	3527	Res, 820 ohm, 1%, 1/8W, Metalized Glass	2322 734 68201
	3528	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3529	Res, 680 ohm, 5%, 1/10W, Metalized Glas	3198 021 56810
	3530	Res, 68K, 5%, 1/6W, Carbon Film	3198 011 06830
	3531	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
S	3532	Res, PTC, 1R5, Degaussing	2322 662 96753
	3533	Res, 15 ohm, 5%, 1/10W, Metalized Glass	3198 021 51590
	3535	Res, 27K, 5%, 1/10W, Metalized Glass	3198 021 52730
	3536	Res, 680K, 5%, 1/10W, Metalized Glass	3198 021 56840
	3537	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3540	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3541	Res, 2K2, 5%, 1/10W, Metalized Glass	3198 021 52220
	3542	Res, 0R1, 5%, 3/5W, Metal Film	3198 012 11070
	3543	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3544	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3545	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3550	Res, 220 ohm, 20%, 1/2W, Carbon Film	3198 013 02210
	3600	Res, 470K, 1%, 3/5W, Metal Film	2312 915 14704
	3601	Res, 220K, 1%, 3/5W, Metal Film	2312 915 12204
	3602	Res, 8K2, 5%, 1/10W, Metalized Glass	3198 021 58220
	3603	Trim Pot, 470 ohm	2120 368 90118
	3604	Res, 470 ohm, 5%, 1/10W, Metalized Glas	3198 021 54710
	3605	Res, 27K, 5%, 1/10W, Metalized Glass	3198 021 52730
	3606	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3607	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3608	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3609	Trim Pot, 22k	2120 368 90124
	3610	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
	3613	Res, 270K, 5%, 1/8W, Metalized Glass	2322 730 61274
	3617	Res, 12K, 5%, 1/6W, Carbon Film	3198 011 01230
	3618	Res, 56K, 5%, 1/10W, Metalized Glass	3198 021 55630
	3619	Res, 5K6, 5%, 1/10W, Metalized Glass	3198 021 55620
	3620	Res, 2R7, 5%, 1/4W, Carbon Film	2120 101 74278
	3621	Res, 1 ohm, 5%, 1/6W, Carbon Film	3198 011 01080
	3622	Res, 1 ohm, 5%, 1/6W, Carbon Film	3198 011 01080
	3623	Res, 27K, 5%, 1/10W, Metalized Glass	3198 021 52730
S	3624	Res, 1R5, 5%, 1/3W, Metal Film	2306 204 03158
	3626	Res, 220 ohm, 5%, 1/6W, Carbon Film	3198 011 02210
	3627	Res, 1M, 5%, 1/6W, Carbon Film	3198 011 01050
	3628	Res, 2R7, 5%, 1/4W, Carbon Film	2120 101 74278
	3630	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3631	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3632	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3633	Res, 150K, 5%, 1/10W, Metalized Glass	3198 021 51540
	3634	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3635	Res, 1K5, 5%, 1/10W, Metalized Glass	3198 021 51520
	3636	Res, 330K, 5%, 1/10W, Metalized Glass	3198 021 53340
	3639	Res, 470K, 5%, 1/10W, Metalized Glass	3198 021 54740
	3640	Res, 22K, 5%, 1/6W, Carbon Film	3198 011 02230
	3641	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3642	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3643	Res, 33K, 5%, 1/10W, Metalized Glass	3198 021 53330
	3644	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3645	Res, 330K, 5%, 1/6W, Carbon Film	3198 011 03340
	3652	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3653	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720

S = Safety Part   Be sure to use exact replacement part.

36PT842H37D (continued)

	Ref	Description	Part No.
	3654	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3654	LED	
	3654	LED	
	3661	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3663	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3701	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3702	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3705	Res, 1K2, 5%, 1/10W, Metalized Glass	3198 021 51220
	3706	Res, 1K2, 5%, 1/10W, Metalized Glass	3198 021 51220
	3710	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3711	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3714	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3715	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3716	Res, 1K5, 5%, 1/10W, Metalized Glass	3198 021 51520
	3717	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3730	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3731	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3732	Res, 8K2, 5%, 1/10W, Metalized Glass	3198 021 58220
	3733	Res, 8K2, 5%, 1/10W, Metalized Glass	3198 021 58220
	3734	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3735	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3736	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3737	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3738	Res, 56K, 5%, 1/10W, Metalized Glass	3198 021 55630
	3739	Res, 56K, 5%, 1/10W, Metalized Glass	3198 021 55630
	3740	Res, 68K, 5%, 1/10W, Metalized Glass	3198 021 56830
	3741	Res, 68K, 5%, 1/10W, Metalized Glass	3198 021 56830
	3742	Res, 68 ohm, 5%, 1/6W, Carbon Film	3198 011 06890
	3743	Res, 68 ohm, 5%, 1/6W, Carbon Film	3198 011 06890
	3744	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3745	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3750	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3756	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3757	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3758	Res, 100K, 5%, 1/10W, Metalized Glass.	3198 021 51040
	3762	Res, 8R2, 5%, 1/8W, Metalized Glass	2322 730 61828
	3765	Res, 6K8, 5%, 1/10W, Metalized Glass	3198 021 56820
	3770	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3773	Res, 150K, 5%, 1/10W, Metalized Glass.	3198 021 51540
	3789	Res, 8R2, 5%, 1/8W, Metalized Glass	2322 730 61828
	3790	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3792	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3908	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3909	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3910	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3911	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3912	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3913	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3914	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3915	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3919	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3920	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
S	3925	Res, 6R8, 5%, 1/3W, Metal Film	2306 204 03688
	3928	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3929	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3930	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
	3932	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3935	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
	3936	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3937	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3940	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3941	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3944	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3946	Res, 1K, 5%, 1/10W, Metalized Glass	3198 021 51020
	3950	Res, 1K8, 5%, 1/6W, Carbon Film	3198 011 01820
	3955	Res, 270 ohm, 5%, 1/10W, Metalized Glas	3198 021 52710
	3970	Res, 120 ohm, 5%, 1/10W, Metalized Glas	3198 021 51210
	3971	Res, 2K7, 5%, 1/10W, Metalized Glass	3198 021 52720
	3972	Res, 2K2, 5%, 1/10W, Metalized Glass	3198 021 52220
	3975	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3991	Res, 100 ohm, 5%, 1/6W, Carbon Film	3198 011 01010
	3992	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 011 01090
	3993	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3995	Wire Jumper	3198 036 90010
	3996	Wire Jumper	3198 036 90010
	3997	Wire Jumper	3198 036 90010
	4102	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4401	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4402	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4403	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4405	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4406	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4407	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4408	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4409	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4410	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4412	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4413	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4415	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4416	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4441	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4442	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4443	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4444	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4483	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4521	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4522	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4611	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4615	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4617	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4618	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4702	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4707	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4710	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4722	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4723	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4724	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4901	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4902	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4904	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4906	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4908	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4910	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4911	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4915	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4916	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4919	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4920	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4921	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4923	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4924	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4926	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4927	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4928	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4929	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4930	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4932	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4933	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4934	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4935	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4937	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4938	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4939	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4941	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4945	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4946	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4947	Res, Zero ohm, "Chip" Jumper	3198 021 90020
S	5101	Standby Power Transformer	2422 531 02449
	5102	Coil, 8u2	3198 018 28280
	5103	Ferrite Bead, 50MHz	2422 535 95748
	5104	Ferrite Bead, 100MHz	3198 018 90020
	5105	Ferrite Bead, 50MHz	2422 535 95748
	5106	Coil, 1u	3198 018 11080
	5110	Ferrite Bead, 100MHz	3198 018 90020
	5115	Ferrite Bead, 100MHz	3198 018 90020
	5120	Coil, 680n	3198 018 16870
	5200	Coil, 6u8	2422 535 94267
	5203	Inductor, 100MHz, 600 ohm	3198 018 90080
	5204	Inductor, 100MHz, 600 ohm	3198 018 90080
	5205	Inductor, 100MHz, 600 ohm	3198 018 90080
	5400	Coil, 33u	3198 018 73390
S	5410	Transformer, Driver, S16944	2422 531 02447
	5411	Coil, 560n	2422 535 95339
	5421	Coil, 4u0	2422 536 00413
	5422	Bridge Coil, W7132-004	2422 531 02357
	5426	Coil, 2u4	2422 535 95097
S	5430	Line Output Transformer	2422 531 02557
	5461	Ferrite Bead, 100MHz	3198 018 90020
	5463	Ferrite Bead, 100MHz	3198 018 90020
	5465	Ferrite Bead, 100MHz	3198 018 90020
	5466	Coil, 47u	3198 018 74790
	5467	Ferrite Bead, 100MHz	3198 018 90020
	5468	Coil, 22u	3198 018 72290
	5469	Coil, 18u	3198 018 11890
	5494	Coil, 68u	2422 535 94095
S	5503	Mains Filter	2422 549 44362
	5505	Ferrite Bead, 100MHz	3198 018 90020
S	5506	Supply Transformer	2422 531 98042
	5507	Ferrite Bead, 100MHz	3198 018 90020
	5508	Ferrite Bead, 100MHz	3198 018 90020
	5510	Ferrite Bead, 100MHz	3198 018 90020
	5620	Coil, 90n	2422 535 95444
	6103	Diode, Rect, BYD33D	9337 234 00133
	6105	Zener Diode, 15 volt	3198 010 21590
	6106	Zener Diode, 24 volt	9331 669 60133
	6108	Diode, BAT85	9336 247 60133
	6110	Diode, BAT85	9336 247 60133
	6111	Diode, Rect, SB360L-7024	9322 161 78682
	6120	Diode, 1N4148	3198 010 10010
	6121	Diode, 1N4148	3198 010 10010
	6122	Zener Diode, 3.9 volt	3198 010 53980
	6124	Diode, BAT85	9336 247 60133
	6200	Zener Diode, 33 volt	3198 020 53390
	6204	Zener Diode, 6.8 volt	3198 020 56880

S = Safety Part   Be sure to use exact replacement part.

36PT842H37D (continued)

	6205	Zener Diode, 6.8 volt.	3198 020 56880
	6206	Zener Diode, 6.8 volt.	3198 020 56880
	6207	Zener Diode, 6.8 volt.	3198 020 56880
	6405	Zener Diode, 33 volt	3198 020 53390
	6406	Diode, BAS316.	3198 010 10630
	6407	Diode, BAS316.	3198 010 10630
	6408	Diode, Rect, BYD33D	9337 234 00133
	6421	Diode, Rect, BY359X-1500.	9340 303 30127
	6422	Diode, Rect, BY229X-600	9340 380 20127
	6436	Diode, Rect, BYD33J	9337 234 20133
	6437	Diode, Rect, BYD33J	9337 234 20133
	6440	Diode, BAS316.	3198 010 10630
	6441	Diode, BAS316.	3198 010 10630
	6442	Zener Diode, 15 volt	3198 020 51590
	6451	Diode, BAS316.	3198 010 10630
	6452	Diode, BAS316.	3198 010 10630
	6453	Diode, BAS316.	3198 010 10630
	6454	Zener Diode, 33 volt	9340 548 71115
	6456	Zener Diode, 33 volt	9340 548 71115
	6461	Diode, Rect, BYV29X-500	9340 555 59127
	6463	Diode, Rect, BYV29X-500	9340 555 59127
	6465	Diode, Rect, BYV29X-500	9340 555 59127
	6466	Diode, Rect, BYV29X-500	9340 555 59127
	6468	Diode, Rect, BYD33D	9337 234 00133
	6480	Diode, Rect, BYD33D	9337 234 00133
	6481	Zener Diode, 18 volt	3198 010 21890
	6482	Diode, BAS316.	3198 010 10630
	6492	Diode, BAS316.	3198 010 10630
	6493	Zener Diode, 47 volt	9340 389 00115
	6499	Zener Diode, 6.8 volt.	3198 020 56880
	6505	Zener Diode, 15 volt	3198 010 21590
	6506	Diode, 1N4148.	3198 010 10010
	6507	Diode, Rect, BYV28-200/24	9340 550 66112
	6508	Diode, Rect, BYV28-400/20	9340 549 39112
	6510	Zener Diode, 15 volt	3198 010 51590
	6511	Diode, BAS316.	3198 010 10630
	6512	Diode, BAS316.	3198 010 10630
	6513	Diode, Bridge Rect, REC GBU4K.	3198 010 10640
	6514	Zener Diode, 200 volt.	9336 018 20133
	6515	Zener Diode, 5.6 volt.	9335 005 90133
	6516	Diode, BAS316.	3198 010 10630
	6517	Diode, BAT85	9336 247 60133
	6518	Diode, BAS316.	3198 010 10630
	6519	Diode, Rect, BYD33D	9337 234 00133
	6600	Diode, 1N4148.	3198 010 10010
	6619	Diode, Rect, BYD33D	9337 234 00133
	6620	Diode, Rect, BYV27-200.	9322 126 72673
	6623	Diode, BAS316.	3198 010 10630
	6636	Diode, BAS316.	3198 010 10630
	6637	Diode, BAS316.	3198 010 10630
	6660	Diode, BAT85	9336 247 60133
	6665	Diode, BAS316.	3198 010 10630
	6731	Diode, BAS316.	3198 010 10630
	6732	Diode, BAS316.	3198 010 10630
	6900	Diode, BAS316.	3198 010 10630
	6901	Diode, 1PS76SB10	9340 453 90115
	6902	Diode, 1PS76SB10	9340 453 90115
	6903	Diode, 1PS76SB10	9340 453 90115
	6904	Diode, 1N4148.	3198 010 10010
	7100	Transistor, PNP, BC557B(COL)	3198 020 40110
	7101	Transistor, NPN, BC547B(COL)	3198 020 40030
	7102	Power FET, STP3NB60FP.	9322 129 71687
S	7104	Optical Coupler, TCDT1102G	9319 002 76682
	7228	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
	7407	Transistor, NPN, BC847B(COL)	3198 010 42030
	7408	Transistor, NPN, BC368	9332 592 40126
	7409	Transistor, NPN, BC847B(COL)	3198 010 42030
	7421	Transistor, NPN, BU2527DX.	9340 496 80127
	7440	IC, LM358N	9339 848 90682
	7441	Transistor, NPN, BC547B(COL)	3198 020 40030
	7442	Transistor, PNP, BC557B(COL)	3198 020 40110
	7452	Transistor, NPN, BC847B(COL)	3198 010 42030
	7480	Power FET, STP3NB60FP.	9322 129 71687
	7481	Transistor, PNP, BC557B(COL)	3198 020 40110
S	7482	Optical Coupler, TCDT1102G	9319 002 76682
	7501	Transistor, PNP, BC857B(COL)	3198 010 42150
	7502	Transistor, NPN, BF487	9337 626 60126
	7504	Power FET, STP5NB40.	9322 174 85687
	7505	Transistor, PNP, BC857B(COL)	3198 010 42150
	7506	IC TL431ACZ-AP S (ST00) A	9322 086 97676
	7510	Transistor, NPN, BC847B(COL)	3198 010 42030
	7528	Transistor, NPN, BC337-25(COL)	3198 020 43530
	7529	Transistor, NPN, BC847B(COL)	3198 010 42030
	7600	Transistor, NPN, BC546B.	9332 377 80126
	7602	Transistor, NPN, BC847B(COL)	3198 010 42030
	7605	Transistor, NPN, BC847B(COL)	3198 010 42030
	7606	Transistor, NPN, BC847B(COL)	3198 010 42030
S	7610	Optical Coupler, TCDT1102G	9319 002 76682
S	7613	Optical Coupler, TCDT1102G	9319 002 76682
	7620	IC, TDA8177.	9322 066 43687
	7640	Transistor, NPN, BC847B(COL)	3198 010 42030
	7641	Transistor, NPN, BC847B(COL)	3198 010 42030
	7652	Transistor, NPN, BC847B(COL)	3198 010 42030
	7653	Transistor, NPN, BC847B(COL)	3198 010 42030
	7654	Transistor, PNP, BC857B(COL)	3198 010 42150
	7655	Transistor, NPN, BC847B(COL)	3198 010 42030
	7702	Transistor, NPN, BC847B(COL)	3198 010 42030
	7720	Transistor, NPN, BC847B(COL)	3198 010 42030
	7721	Transistor, NPN, BC847B(COL)	3198 010 42030
	7722	Transistor, PNP, BC857B(COL)	3198 010 42150
	7723	Transistor, PNP, BC857B(COL)	3198 010 42150
	7724	Transistor, NPN, BC847B(COL)	3198 010 42030
	7725	Transistor, NPN, BC847B(COL)	3198 010 42030
	7730	Transistor, NPN, BC847B(COL)	3198 010 42030
	7731	Transistor, PNP, BC857B(COL)	3198 010 42150
	7732	Transistor, NPN, BC847B(COL)	3198 010 42030
	7750	IC, TDA2616.	9350 403 20112
	7901	Transistor, NPN, BC547B(COL)	3198 020 40030
	7902	Transistor, NPN, BC337-25(COL)	3198 020 43530
	7905	Transistor, NPN, BC368	9332 592 40126
	7906	IC, L4940V85	9322 005 46687
	7907	Transistor, NPN, BC847B(COL)	3198 010 42030
	7908	Transistor, PNP, BC857B(COL)	3198 010 42150
	7909	Transistor, PNP, BC857B(COL)	3198 010 42150
	8203	Cable, 4 Pin, 340mm.	3104 311 05481
	8204	Cable, 6 Pin, 220mm.	3104 311 05471
	8317	Cable, 2 Pin, 340mm.	3104 311 01431
	8324	Cable, 7 Pin, 560mm.	3104 311 05411
	8340	Cable, 11 Pin 480mm.	3104 311 05431
	8392	Cable, 3 Pin, 220mm.	3104 311 04171
	8920	Cable, 5 Pin, 400mm.	3104 301 07674
	8921	Cable, 3 Pin, 400mm.	3104 311 03082
	8936	Cable, 11 Pin, 820mm	3104 311 01181
	8937	Cable, 10 Pin, 340mm	3104 301 09841
	8951	Cable, 5 Pin, 340mm.	3104 311 03491
	9101	Wire Jumper.	3198 036 90010
	9102	Wire Jumper.	3198 036 90010
	9113	Wire Jumper.	3198 036 90010
	9203	Wire Jumper.	3198 036 90010
	9204	Wire Jumper.	3198 036 90010
	9206	Wire Jumper.	3198 036 90010
	9210	Wire Jumper.	3198 036 90010
	9212	Wire Jumper.	3198 036 90010
	9217	Wire Jumper.	3198 036 90010
	9219	Wire Jumper.	3198 036 90010
	9221	Wire Jumper.	3198 036 90010
	9222	Wire Jumper.	3198 036 90010
	9224	Wire Jumper.	3198 036 90010
	9226	Wire Jumper.	3198 036 90010
	9228	Wire Jumper.	3198 036 90010
	9229	Wire Jumper.	3198 036 90010
	9230	Wire Jumper.	3198 036 90010
	9231	Wire Jumper.	3198 036 90010
	9232	Wire Jumper.	3198 036 90010
	9302	Wire Jumper.	3198 036 90010
	9401	Wire Jumper.	3198 036 90010
	9402	Wire Jumper.	3198 036 90010
	9403	Wire Jumper.	3198 036 90010
	9404	Wire Jumper.	3198 036 90010
	9405	Wire Jumper.	3198 036 90010
	9406	Wire Jumper.	3198 036 90010
	9407	Wire Jumper.	3198 036 90010
	9412	Wire Jumper.	3198 036 90010
	9414	Wire Jumper.	3198 036 90010
	9418	Wire Jumper.	3198 036 90010
	9419	Wire Jumper.	3198 036 90010
	9421	Wire Jumper.	3198 036 90010
	9423	Wire Jumper.	3198 036 90010
	9424	Wire Jumper.	3198 036 90010
	9425	Wire Jumper.	3198 036 90010
	9428	Wire Jumper.	3198 036 90010
	9429	Wire Jumper.	3198 036 90010
	9430	Wire Jumper.	3198 036 90010
	9431	Wire Jumper.	3198 036 90010
	9435	Wire Jumper.	3198 036 90010
	9436	Wire Jumper.	3198 036 90010
	9505	Wire Jumper.	3198 036 90010
	9510	Wire Jumper.	3198 036 90010
	9512	Wire Jumper.	3198 036 90010
	9513	Wire Jumper.	3198 036 90010
	9515	Wire Jumper.	3198 036 90010
	9516	Wire Jumper.	3198 036 90010
	9518	Wire Jumper.	3198 036 90010
	9519	Wire Jumper.	3198 036 90010
	9520	Wire Jumper.	3198 036 90010
	9523	Wire Jumper.	3198 036 90010
	9524	Wire Jumper.	3198 036 90010
	9525	Wire Jumper.	3198 036 90010
	9528	Wire Jumper.	3198 036 90010
	9622	Wire Jumper.	3198 036 90010
	9623	Wire Jumper.	3198 036 90010
	9624	Wire Jumper.	3198 036 90010
	9705	Wire Jumper.	3198 036 90010
	9706	Wire Jumper.	3198 036 90010

S = Safety Part   Be sure to use exact replacement part.

9707	Wire Jumper	3198 036 90010
9712	Wire Jumper	3198 036 90010
9713	Wire Jumper	3198 036 90010
9714	Wire Jumper	3198 036 90010
9715	Wire Jumper	3198 036 90010
9718	Wire Jumper	3198 036 90010
9720	Wire Jumper	3198 036 90010
9721	Wire Jumper	3198 036 90010
9723	Wire Jumper	3198 036 90010
9724	Wire Jumper	3198 036 90010
9726	Wire Jumper	3198 036 90010
9901	Wire Jumper	3198 036 90010
9902	Wire Jumper	3198 036 90010
9903	Wire Jumper	3198 036 90010
9904	Wire Jumper	3198 036 90010
9906	Wire Jumper	3198 036 90010
9907	Wire Jumper	3198 036 90010
9908	Wire Jumper	3198 036 90010
9909	Wire Jumper	3198 036 90010
9910	Wire Jumper	3198 036 90010
9911	Wire Jumper	3198 036 90010
9912	Wire Jumper	3198 036 90010
9914	Wire Jumper	3198 036 90010
9916	Wire Jumper	3198 036 90010
9917	Wire Jumper	3198 036 90010
9920	Wire Jumper	3198 036 90010
9921	Wire Jumper	3198 036 90010
9922	Wire Jumper	3198 036 90010
9925	Wire Jumper	3198 036 90010
9926	Wire Jumper	3198 036 90010
9927	Wire Jumper	3198 036 90010
9928	Wire Jumper	3198 036 90010
9931	Wire Jumper	3198 036 90010
9932	Wire Jumper	3198 036 90010
9933	Wire Jumper	3198 036 90010
9934	Wire Jumper	3198 036 90010
9936	Wire Jumper	3198 036 90010
9943	Wire Jumper	3198 036 90010
9944	Wire Jumper	3198 036 90010
9945	Wire Jumper	3198 036 90010
9946	Wire Jumper	3198 036 90010
9947	Wire Jumper	3198 036 90010
9948	Wire Jumper	3198 036 90010
9950	Wire Jumper	3198 036 90010
9951	Wire Jumper	3198 036 90010
9952	Wire Jumper	3198 036 90010
9957	Wire Jumper	3198 036 90010
9958	Wire Jumper	3198 036 90010
9960	Wire Jumper	3198 036 90010
9963	Wire Jumper	3198 036 90010
9964	Wire Jumper	3198 036 90010
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9970	Wire Jumper	3198 036 90010
9971	Wire Jumper	3198 036 90010
9972	Wire Jumper	3198 036 90010
9975	Wire Jumper	3198 036 90010
9976	Wire Jumper	3198 036 90010
9980	Wire Jumper	3198 036 90010
9983	Wire Jumper	3198 036 90010
9984	Wire Jumper	3198 036 90010
9987	Wire Jumper	3198 036 90010
9988	Wire Jumper	3198 036 90010
9990	Wire Jumper	3198 036 90010
9991	Wire Jumper	3198 036 90010
9992	Wire Jumper	3198 036 90010
9993	Wire Jumper	3198 036 90010
9996	Wire Jumper	3198 036 90010
9997	Wire Jumper	3198 036 90010
9998	Wire Jumper	3198 036 90010

Small Signal Board

	Small Signal Board	
CBA	Small Signal Board	3104 328 25211
0302	2 Pin Board Connector	2422 025 16542
1001	Crystal, 12MHz	2422 543 89018
S 1003	Fuse, F315MA, 32V	2422 086 11013
1301	Crystal, 12MHz	2422 540 98456
1303	5 Pin Board Connector	2422 025 16966
1304	7 Pin Board Connector	2422 025 17104
1318	Crystal, 3.579545MHz	2422 543 00861
1407	Filter, 4.5MHz	2422 549 44043
1408	SAW Filter, 45.75MHz	2422 549 44377
1410	Filter, 4.5MHz	2422 549 44534
1651	Crystal, 18.432MHz	2422 543 89019
1680	6 Pin Board Connector	2422 025 16961
1681	3 Pin Board Connector	2422 025 17103
1682	10 Pin Board Connector	2422 025 16729
1701	Crystal, 12MHz	2422 543 89018

2001	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390
2002	Cap, 33p, 5%, 50v, Ceramic	3198 016 33390
2003	Cap, 2n2, 10%, 50v, Ceramic	3198 017 32220
2004	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2006	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2007	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2008	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2009	Cap, 470p, 5%, 50v, Ceramic	3198 016 34710
2010	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2011	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2012	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2013	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
2014	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2015	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2016	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
2017	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2020	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2300	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
2302	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2303	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
2304	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2305	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2306	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2307	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2308	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2313	Cap, 100n, 5%, 16v, Polypropylene	2020 319 90005
2314	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
2315	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2317	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2318	Cap, 22n, 10%, 25v, Ceramic	3198 017 32230
2319	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
2320	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2321	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2322	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2323	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2324	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2328	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2329	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2330	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2331	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2332	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2333	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2334	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2335	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
2336	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2338	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
2339	Cap, 100n, 10%, 50v, Ceramic	2222 580 15649
2340	Cap, 10u, 20%, 16v, Electrolytic	3198 030 41090
2341	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
2342	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2343	Cap, 100n, +80/-20%, 25v, Ceramic	3198 023 41040
2350	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2351	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2352	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2356	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2357	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2358	Cap, 3n3, 10%, 50v, Ceramic	3198 017 33320
2361	Cap, 1p2, 21%, 50v, Ceramic	3198 016 31280
2362	Cap, 12p, 5%, 50v, Ceramic	3198 016 31290
2363	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2365	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2366	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2367	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2368	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2369	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2370	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2371	Cap, 4n7, 10%, 50v, Ceramic	3198 017 34720
2372	Cap, 1u, +80/-20%, 16v, Ceramic	3198 017 21050
2373	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2374	Cap, 2u2, +80/-20%, 10v, Ceramic	3198 017 22250
2375	Cap, 22n, 10%, 25v, Ceramic	3198 017 32230
2376	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2377	Cap, 100u, 20%, 16v, Electrolytic	3198 030 41010
2378	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2384	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2395	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2396	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2397	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2401	Cap, 10n, 10%, 50v, Ceramic	3198 017 31030
2410	Cap, 470n, 10%, 16v, Ceramic	2222 780 15658
2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2412	Cap, 4n7, 10%, 50v, Ceramic	3198 017 34720
2413	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
2418	Cap, 10p, 5%, 50v, Ceramic	3198 016 31090
2420	Cap, 150p, 5%, 50v, Ceramic	3198 016 31510
2422	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040

S = Safety Part   Be sure to use exact replacement part.

36PT842H37D (continued)

2429	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2501	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2502	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2503	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2504	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2505	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2506	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2507	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2508	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2510	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
2511	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
2512	Cap, 470n, +80/-20%, 10v, Ceramic. . .	3198 017 44740
2550	Cap, 330p, 10%, 50v, Ceramic	3198 017 33310
2552	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2553	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2554	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2555	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2562	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2563	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2564	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2565	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2566	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2567	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2568	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2569	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2570	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2571	Cap, 100p, 5%, 50v, Ceramic.	3198 016 31010
2574	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2575	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2576	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2577	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2578	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2579	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2584	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2585	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2586	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2591	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
2593	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2594	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2595	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2609	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2610	Cap, 2n2, 10%, 50v, Ceramic.	3198 017 32220
2611	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2634	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2640	Cap, 220n, +80/-20%, 16v, Ceramic. . .	3198 017 42240
2643	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2644	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2645	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2646	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2649	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2651	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2652	Cap, 47p, 5%, 50v, Ceramic	3198 016 34790
2653	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2654	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2659	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2660	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2661	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2662	Cap, 330n, +80/-20%, 25v, Ceramic. . .	2222 910 19856
2663	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2664	Cap, 470p, 10%, 50v, Ceramic	3198 017 34710
2665	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2666	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2667	Cap, 3p3, 8%, 50v, Ceramic	3198 016 33380
2668	Cap, 3p3, 8%, 50v, Ceramic	3198 016 33380
2670	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2673	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2674	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2677	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
2678	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
2679	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2680	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
2681	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2682	Cap, 10u, 20%, 16v, Electrolytic . . .	3198 030 41090
2686	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2687	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2693	Cap, 220p, 5%, 50v, Ceramic.	3198 016 32210
2694	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2695	Cap, 100u, 20%, 16v, Electrolytic. . .	3198 030 41010
2702	Cap, 10u, 20%, 16v, Electrolytic . . .	2020 021 91556
2704	Cap, 10u, 20%, 16v, Electrolytic . . .	2020 021 91556
2706	Cap, 100u, 20%, 16v, Electrolytic. . .	2020 021 91555
2708	Cap, 10u, 20%, 16v, Electrolytic . . .	2020 021 91556
2709	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2710	Cap, 10u, 20%, 16v, Electrolytic . . .	2020 021 91556
2712	Cap, 10u, 20%, 16v, Electrolytic . . .	2020 021 91556
2713	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2728	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2729	Cap, 56p, 5%, 50v, Ceramic	3198 016 35690
2730	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2731	Cap, 100p, 5%, 50v, Ceramic.	3198 016 31010
2733	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2738	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2743	Cap, 22n, 10%, 25v, Ceramic.	3198 017 32230
2747	Cap, 18p, 5%, 50v, Ceramic	3198 016 31890
2748	Cap, 18p, 5%, 50v, Ceramic	3198 016 31890
2755	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2756	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2758	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2759	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2760	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2761	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2762	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2763	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2764	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2765	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2766	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2767	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2770	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2771	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2772	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2773	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2774	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2776	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2785	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2786	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2788	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2790	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2792	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2795	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2796	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2798	Cap, 680p, 5%, 25v, Ceramic.	3198 016 36810
2799	Cap, 10u, 20%, 16v, Electrolytic . . .	2020 021 91556
2908	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2909	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2910	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2911	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2912	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
3001	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
3002	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
3003	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3004	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3005	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3006	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3007	Res, 1K5, 5%, 1/16W, Metalized Glass .	3198 021 31520
3008	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
3009	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
3010	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
3011	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
3012	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
3013	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
3014	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
3015	Res, 470K, 5%, 1/16W, Metalized Glass.	3198 021 34740
3016	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3017	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
3018	Res, 24K, 1%, 1/16W, Metalized Glass .	2322 704 62403
3019	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3021	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
3026	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3027	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3028	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3029	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3030	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
3031	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
3032	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
3033	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
3034	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3035	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3039	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3040	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3041	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3042	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
3043	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3044	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3045	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3048	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3049	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3050	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3051	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3052	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
3053	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
3056	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
3057	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
3058	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3059	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
3060	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
3061	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
3062	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3063	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3064	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3065	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
S 3070	Res, 1R5, 5%, 1/8W, Metalized Glass. .	2322 750 61508
S 3071	Res, 1R5, 5%, 1/8W, Metalized Glass. .	2322 750 61508
3074	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
3080	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710

S = Safety Part   Be sure to use exact replacement part.

36PT842H37D (continued)

S	3300	Res, 3R9, 5%, 1/8W, Metalized Glass. .	2322 750 63908
	3301	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3302	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
S	3304	Res, 3R9, 5%, 1/8W, Metalized Glass. .	2322 750 63908
	3305	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3306	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3307	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3308	Res, 680K, 5%, 1/16W, Metalized Glass.	3198 021 36840
	3310	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3311	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3312	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
	3313	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3314	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3315	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3316	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3317	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3318	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3319	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3320	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3321	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3322	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3324	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3327	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3328	Res, 39K, 5%, 1/16W, Metalized Glass .	3198 021 33930
S	3329	Res, 6R8, 5%, 1/8W, Metalized Glass. .	2322 750 66808
	3330	Res, 3K3, 5%, 1/16W, Metalized Glass .	3198 021 33320
	3331	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3332	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3333	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3335	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3336	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3337	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3338	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3340	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3341	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3342	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3343	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3344	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3345	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3346	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3347	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3348	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3350	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3351	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3352	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3353	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3354	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3355	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3358	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3359	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3360	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3362	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3363	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3364	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3365	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3366	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3367	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3370	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3371	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
	3372	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3373	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3374	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3375	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3376	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3377	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3378	Res, 15K, 5%, 1/16W, Metalized Glass .	3198 021 31530
	3382	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3384	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3385	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3386	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3387	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3388	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3389	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3390	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3391	Res, 68K, 5%, 1/16W, Metalized Glass .	3198 021 36830
	3393	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3394	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3395	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3396	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3397	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3398	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S	3400	Res, 4R7, 5%, 1/8W, Metalized Glass. .	2322 750 64708
	3401	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3402	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3403	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3405	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3415	Res, 8K2, 5%, 1/16W, Metalized Glass .	3198 021 38220
S	3416	Res, 6R8, 5%, 1/8W, Metalized Glass. .	2322 750 66808
	3418	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
	3419	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
	3420	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3436	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3437	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3441	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3446	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3456	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3457	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3458	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3459	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
	3460	Res, 3K3, 5%, 1/16W, Metalized Glass .	3198 021 33320
	3461	Res, 1K8, 5%, 1/16W, Metalized Glass .	3198 021 31820
	3462	Res, 1K2, 5%, 1/16W, Metalized Glass .	3198 021 31220
	3463	Res, 18K, 5%, 1/16W, Metalized Glass .	3198 021 31830
	3465	Res, 33K, 5%, 1/16W, Metalized Glass .	3198 021 33330
	3467	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3469	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3470	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3519	Res, 10K, 5%, 1/16W, Metalized Glass .	3198 021 31030
	3521	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3522	Res, 47K, 5%, 1/16W, Metalized Glass .	3198 021 34730
	3523	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3524	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3525	Res, 680K, 5%, 1/16W, Metalized Glass.	3198 021 36840
	3526	Res, 1M, 5%, 1/16W, Metalized Glass. .	3198 021 31050
	3527	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3529	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3530	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3531	Res, 8K2, 5%, 1/16W, Metalized Glass .	3198 021 38220
	3532	Res, 27K, 5%, 1/16W, Metalized Glass .	3198 021 32730
	3546	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3550	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3558	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3559	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3560	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3561	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3562	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3563	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3564	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3565	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3566	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3567	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3570	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3571	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3572	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3574	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3576	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
	3636	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3637	Res, 56K, 5%, 1/16W, Metalized Glass .	3198 021 35630
	3642	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3643	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S	3644	Res, 4R7, 5%, 1/8W, Metalized Glass. .	2322 750 64708
	3651	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3652	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3653	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3654	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3655	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3656	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3657	Res, 82K, 5%, 1/16W, Metalized Glass .	3198 021 38230
	3658	Res, 150K, 5%, 1/16W, Metalized Glass.	3198 021 31540
	3666	Res, 150K, 5%, 1/16W, Metalized Glass.	3198 021 31540
	3667	Res, 56K, 5%, 1/16W, Metalized Glass .	3198 021 35630
	3668	Res, 82K, 5%, 1/16W, Metalized Glass .	3198 021 38230
	3669	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
	3670	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
	3671	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3684	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3685	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3686	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3687	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3688	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3689	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3690	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3691	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3692	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3693	Res, 6K8, 5%, 1/16W, Metalized Glass .	3198 021 36820
	3694	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3695	Res, 22K, 5%, 1/16W, Metalized Glass .	3198 021 32230
	3698	Res, 680 ohm, 5%, 1/16W, Metalized Glas	3198 021 36810
	3702	Res, 22 ohm, 5%, 1/16W, Metalized Glass	3198 021 32290
	3703	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3705	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3706	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3707	Res, 3K9, 5%, 1/16W, Metalized Glass .	3198 021 33920
	3708	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
	3709	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3710	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	3711	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3714	Res, 22 ohm, 5%, 1/16W, Metalized Glass	3198 021 32290
	3716	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3717	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
	3718	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3725	Res, 1M, 5%, 1/16W, Metalized Glass. .	3198 021 31050
	3728	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
	3731	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010

S = Safety Part   Be sure to use exact replacement part.

3732	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3733	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3739	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3740	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3741	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3744	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3745	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3746	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
3747	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
3748	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
3749	Res, 68 ohm, 5%, 1/16W, Metalized Glass	3198 021 36890
3754	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3755	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3757	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3759	Res, Zero ohm, "Chip" Jumper	3198 021 90030
3790	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3791	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3792	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3793	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3794	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3795	Resistor Network, 4 X 100 ohm, 5%. . .	3198 031 11010
3796	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3797	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3900	Inductor, 100MHz, 600 ohm.	3198 018 90040
3901	Inductor, 100MHz, 600 ohm.	3198 018 90040
3902	Inductor, 100MHz, 600 ohm.	3198 018 90040
3903	Inductor, 100MHz, 600 ohm.	3198 018 90040
3904	Inductor, 100MHz, 600 ohm.	3198 018 90040
3905	Inductor, 100MHz, 600 ohm.	3198 018 90040
3906	Inductor, 100MHz, 600 ohm.	3198 018 90040
3907	Inductor, 100MHz, 600 ohm.	3198 018 90040
3908	Inductor, 100MHz, 600 ohm.	3198 018 90040
3909	Inductor, 100MHz, 600 ohm.	3198 018 90040
3910	Inductor, 100MHz, 600 ohm.	3198 018 90040
3911	Inductor, 100MHz, 600 ohm.	3198 018 90040
4302	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4303	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4304	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4322	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4326	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4369	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4401	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4406	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4407	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4409	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4520	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4522	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4603	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4604	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4610	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4611	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4613	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4632	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4633	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4642	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4645	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4652	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4682	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4683	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4684	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4685	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4686	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4687	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4688	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4689	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4712	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4713	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4714	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4715	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4716	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4717	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4723	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4724	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4726	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4732	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4734	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4792	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4793	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4901	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4902	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4903	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4904	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4905	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4906	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4907	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4908	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4909	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4919	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4920	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4921	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4925	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4927	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4928	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4929	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4935	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4937	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4938	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4939	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4944	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4945	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4946	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4947	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4948	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4949	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4950	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4951	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4952	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4953	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4954	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5301	Coil, 6u8.	3198 018 36880
5302	Coil, 6u8.	3198 018 36880
5303	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5304	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5305	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5306	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5307	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5308	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5309	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5401	Coil, 390n	3198 018 33970
5406	Coil, 15u.	3198 018 31590
5407	Ferrite Bead, 100MHz	2422 535 95427
5408	Variable Coil.	2422 549 44875
5409	Ferrite Bead, 100MHz	2422 535 95427
5410	Coil, 1u	3198 018 51080
5412	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5413	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5414	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5651	Ferrite Bead, 100MHz	2422 549 43769
5652	Ferrite Bead, 100MHz	2422 549 43769
5653	Ferrite Bead, 100MHz	2422 549 43769
5654	Inductor, 100MHz, 30 ohm	3198 018 90060
5656	Coil, 6u8.	3198 018 36880
5657	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5658	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5659	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5660	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5661	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5662	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5663	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5664	Inductor, 100MHz, 30 ohm	3198 018 90060
5665	Inductor, 100MHz, 30 ohm	3198 018 90060
5666	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5667	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5668	Res, Zero ohm, "Chip" Jumper	3198 021 90030
5701	Inductor, 100MHz, 600 ohm.	3198 018 90080
5702	Ferrite Bead, 100MHz	2422 535 95427
5703	Inductor, 100MHz, 30 ohm	3198 018 90060
5705	Ferrite Bead, 100MHz	2422 535 95427
5706	Coil, 5u6.	3198 018 35680
5707	Inductor, 100MHz, 600 ohm.	3198 018 90040
5711	Inductor, 100MHz, 600 ohm.	3198 018 90040
5713	Inductor, 100MHz, 600 ohm.	3198 018 90040
5718	Coil, 330n	3198 018 33370
5720	Inductor, 100MHz, 600 ohm.	3198 018 90040
5798	Inductor, 100MHz, 30 ohm	3198 018 90060
5799	Inductor, 100MHz, 30 ohm	3198 018 90060
5900	Inductor, 100MHz, 30 ohm	3198 018 90060
5901	Inductor, 100MHz, 30 ohm	3198 018 90060
5902	Inductor, 100MHz, 30 ohm	3198 018 90060
5903	Inductor, 100MHz, 30 ohm	3198 018 90060
5904	Inductor, 100MHz, 30 ohm	3198 018 90060
6003	Diode, BAS316.	3198 010 10630
6303	Zener Diode, 47 volt	9340 389 00115
6304	Diode, BAS316.	3198 010 10630
6306	Zener Diode, 5.6 volt.	3198 020 55680
6307	Diode, 1PS76SB10	9340 453 90115
6309	Diode, BAS316.	3198 010 10630
6310	Zener Diode, 6.8 volt.	3198 020 56880
6311	Zener Diode, 22 volt	3198 020 52290
6312	Diode, BAS316.	3198 010 10630
6313	Zener Diode, 22 volt	3198 020 52290
6314	Diode, BAS316.	3198 010 10630
6315	Diode, BAS316.	3198 010 10630
6316	Diode, BAS316.	3198 010 10630
6317	Diode, BAS316.	3198 010 10630
6319	Diode, BAS316.	3198 010 10630
6652	Zener Diode, 10 volt	3198 020 51090
6654	Diode, BAS316.	3198 010 10630
6657	Zener Diode, 2.7 volt.	9340 548 43115
6658	Diode, BAS316.	3198 010 10630
7001	IC, SAA5677/HL/M1.	9352 692 99557
7002	Transistor, PNP, BC857B(COL)	3198 010 42150
7003	Transistor, NPN, BC847BW(COL).	3198 010 42310
7004	Transistor, NPN, BC847BW(COL).	3198 010 42310

S = Safety Part   Be sure to use exact replacement part.

36PT842H37D (continued)

7005	IC, LD1117D33.	9322 116 74668
7006	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7007	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7009	IC, LD1117D33.	9322 116 74668
7012	IC, M24C32	9322 124 74668
7013	Transistor, NPN, PDTC144EU	3198 010 44330
7301	IC, TDA9330H/N3.	9352 681 65518
7303	Transistor, NPN, BC857BW(COL).	3198 010 42320
7304	Transistor, NPN, PDTC144EU	3198 010 44330
7305	Transistor, NPN, BC847BW(COL).	3198 010 42310
7306	Transistor, NPN, BC847BW(COL).	3198 010 42310
7308	Transistor, NPN, PDTC144EU	3198 010 44330
7309	Transistor, NPN, PDTC144EU	3198 010 44330
7310	Transistor, NPN, PDTC144EU	3198 010 44330
7311	Transistor, NPN, BC847BW(COL).	3198 010 42310
7312	Transistor, NPN, BC847BW(COL).	3198 010 42310
7313	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7314	Transistor, NPN, BC847BW(COL).	3198 010 42310
7315	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7318	Transistor, NPN, BC857BW(COL).	3198 010 42320
7320	Transistor, NPN, BC847BW(COL).	3198 010 42310
7322	Transistor, NPN, BC847BW(COL).	3198 010 42310
7323	IC, TDA9321H/N2.	9352 625 24518
7324	Transistor, NPN, BC847CW	9340 217 80115
7375	Transistor, NPN, BC847BW(COL).	3198 010 42310
7410	Transistor, NPN, BC847BW(COL).	3198 010 42310
7411	Transistor, NPN, BC847B(COL)	3198 010 42030
7413	Transistor, NPN, BFS20	9330 921 11215
7651	IC, MSP3421G-FH-B8V3	9322 183 23671
7664	Transistor, NPN, BC847BPN.	9340 425 30115
7665	Transistor, NPN, BC847BPN.	9340 425 30115
7668	Transistor, NPN, BC857BW(COL).	3198 010 42320
7675	Transistor, NPN, BC847BS	9340 425 20115
7678	Transistor, NPN, BC847BS	9340 425 20115
7701	Transistor, NPN, BC857BW(COL).	3198 010 42320
7702	Transistor, NPN, BC847BW(COL).	3198 010 42310
7704	Transistor, NPN, PMBT2369(UAW)	3198 010 43360
7708	IC, SAA4990H	9352 067 50557
7709	IC, SAA4978H/V204.	9352 688 09557
7714	IC, MSM54V12222B-25JS.	9322 183 81668
7715	IC, MSM54V12222B-25JS.	9322 183 81668
7716	32 Pin IC Socket	2422 486 80938
7716	IC, M87C257-90C1	9322 130 45668
7717	IC, ROM, M87C257	3104 317 03241
7799	Software Package, FBX PICNIC	3104 317 43241
8302	Cable, 2 Pin, 180mm.	3104 311 03031
8303	Cable, 5 Pin, 400mm.	3104 311 03221
8304	Cable, 7 Pin, 280mm.	3104 311 03241
8680	Cable, 6 Pin, 340mm.	3104 311 03231
8681	Cable, 3 Pin, 280mm.	3104 311 03461
8682	Foil, 10 Pin, 340mm.	3104 311 02953

3D Comb Filter

	3D Comb Filter	
CBA	3D Comb Filter	3135 037 10301
1001	Crystal, 20MHz	2422 543 01273
1104	5 Pin Board Connector.	2422 025 15848
1303	6 Pin Board Connector.	2422 025 10428
1951	5 Pin Board Connector.	2422 025 15848
2000	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2001	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2002	Cap, 47u, 20%, 20v, Electrolytic	3198 032 58170
2003	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2004	Cap, 100u, 20%, 16v, Electrolytic.	3198 030 41010
2005	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2006	Cap, 47u, 20%, 20v, Electrolytic	3198 032 58170
2008	Cap, 1n, 5%, 25v, Ceramic.	3198 016 31020
2009	Cap, 1u, 20%, 50v, Electrolytic.	3198 030 81080
2010	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2011	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2012	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2013	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2014	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2015	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2016	Cap, 10n, 10%, 50v, Ceramic.	3198 017 31030
2017	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2018	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2019	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2020	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2021	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2022	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2023	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2024	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2026	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2027	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2028	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2029	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2030	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2031	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2032	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2033	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2034	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2035	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2036	Cap, 1u, 20%, 50v, Electrolytic.	3198 030 81080
2037	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2041	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2042	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2043	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
2044	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2045	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2046	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
2047	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2048	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2049	Cap, 47u, 20%, 16v, Electrolytic	3198 030 44790
2051	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2052	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2053	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2054	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2055	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2056	Cap, 10u, 20%, 20v, Electrolytic	3198 032 55130
2057	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2059	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2061	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2062	Cap, 150p, 5%, 50v, Ceramic.	3198 016 31510
2063	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2064	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2065	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2066	Cap, 100n, 10%, 16v, Ceramic	3198 017 31040
2067	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2068	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2069	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
2070	Cap, 22p, 5%, 50v, Ceramic	3198 016 32290
3000	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3001	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3002	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3003	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3004	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3005	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3006	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3007	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3008	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3009	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3010	Res, 5K6, 5%, 1/16W, Metalized Glass .	3198 021 35620
3011	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3012	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3013	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
3014	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3015	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3016	Res, 33 ohm, 5%, 1/16W, Metalized Glass	3198 021 33390
3017	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
3018	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
3019	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3020	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3021	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3022	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3023	Res, 120 ohm, 5%, 1/16W, Metalized Glas	3198 021 31210
3024	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3025	Res, 5K6, 5%, 1/16W, Metalized Glass .	3198 021 35620
3026	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3027	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3028	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
3029	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3030	Res, 820 ohm, 5%, 1/16W, Metalized Glas	3198 021 38210
3031	Res, 12K, 5%, 1/16W, Metalized Glass .	3198 021 31230
3032	Res, 12K, 5%, 1/16W, Metalized Glass .	3198 021 31230
3033	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3034	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3035	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3036	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
3037	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3038	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3039	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3040	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3041	Res, 820 ohm, 5%, 1/16W, Metalized Glas	3198 021 38210
3042	Res, 3K3, 1%, 1/16W, Metalized Glass .	2322 704 73302
3043	Res, 1K5, 5%, 1/16W, Metalized Glass .	3198 021 31520
3044	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3055	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
3056	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3057	Res, 2K2, 5%, 1/16W, Metalized Glass .	3198 021 32220
3058	Res, 220K, 5%, 1/16W, Metalized Glass.	3198 021 32240
3059	Res, 27K, 5%, 1/16W, Metalized Glass .	3198 021 32730
3060	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3061	Res, 4K7, 5%, 1/16W, Metalized Glass .	3198 021 34720
3065	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3067	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3068	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3069	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
3071	Res, 1K5, 5%, 1/16W, Metalized Glass .	3198 021 31520
3072	Res, 2K7, 5%, 1/16W, Metalized Glass .	3198 021 32720
3073	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3074	Res, 330 ohm, 5%, 1/16W, Metalized Glas	3198 021 33310
3076	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
3077	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210

3082	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3083	Res, 47 ohm, 5%, 1/16W, Metalized Glass	3198 021 34790
3085	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3088	Res, 1K, 5%, 1/16W, Metalized Glass.	3198 021 31020
3089	Res, 150 ohm, 5%, 1/16W, Metalized Glas	3198 021 31510
3091	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
3095	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
3096	Res, 180 ohm, 5%, 1/16W, Metalized Glas	3198 021 31810
3097	Res, 1K8, 5%, 1/16W, Metalized Glass	3198 021 31820
3098	Res, 5K6, 5%, 1/16W, Metalized Glass	3198 021 35620
3099	Res, 470 ohm, 5%, 1/16W, Metalized Glas	3198 021 34710
3100	Res, 1K, 5%, 1/16W, Metalized Glass.	3198 021 31020
3101	Res, 1K, 5%, 1/16W, Metalized Glass.	3198 021 31020
3102	Res, 100 ohm, 5%, 1/16W, Metalized Glas	3198 021 31010
S 3103	Res, PTC, Overload Protection.	2122 662 00139
S 3104	Res, PTC, Overload Protection.	2122 662 00139
3105	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
5000	Coil, 100MHz, 120 ohm.	3198 018 90070
5001	Coil, 100MHz, 120 ohm.	3198 018 90070
5003	Filter, 14.3MHz.	2422 549 44784
5004	Filter, 14.3MHz.	2422 549 44784
5005	Coil, 10u.	3198 018 41090
5006	Filter, 14.3MHz.	2422 549 44785
5007	Coil, 10u.	3198 018 41090
5008	Coil, 22u.	3198 018 72290
5009	Coil, 22u.	3198 018 72290
5010	Coil, 15u.	2422 535 94758
5011	Coil, 100MHz, 120 ohm.	3198 018 90070
5012	Coil, 100MHz, 120 ohm.	3198 018 90070
5013	Coil, 100MHz, 120 ohm.	3198 018 90070
5014	Inductor, 100MHz, 30 ohm	3198 018 90060
5015	Inductor, 100MHz, 30 ohm	3198 018 90060
5017	Coil, 100MHz, 120 ohm.	3198 018 90070
5019	Coil, 10u.	3198 018 41090
5020	Coil, 10u.	3198 018 41090
5021	Coil, 100MHz, 120 ohm.	3198 018 90070
5022	Coil, 100MHz, 120 ohm.	3198 018 90070
5024	Coil, 100MHz, 120 ohm.	3198 018 90070
5025	Coil, 100MHz, 120 ohm.	3198 018 90070
5027	Coil, 100MHz, 120 ohm.	3198 018 90070
5028	Coil, 100MHz, 120 ohm.	3198 018 90070
5029	Coil, 100MHz, 120 ohm.	3198 018 90070
5030	Coil, 100MHz, 120 ohm.	3198 018 90070
6000	Diode, BAV99	3198 010 10620
6001	Diode, BAV99	3198 010 10620
6002	Diode, BAV99	3198 010 10620
6003	LED, TLMH3100.	9322 072 71685
6004	Diode, Rect, SM S1D	9322 128 69685
6005	Diode, Rect, SM S1D	9322 128 69685
6006	Diode, 1PS76SB10	9340 453 90115
6007	Diode, BAS17	9335 262 30215
7000	Transistor, NPN, BC847B.	9335 895 90215
7001	Transistor, PNP, BC857B.	9335 897 60215
7002	Transistor, NPN, BF570	9338 144 20215
7003	Transistor, PNP, BC857B.	9335 897 60215
7004	Transistor, NPN, BC847B.	9335 895 90215
7005	Transistor, PNP, BC857B.	9335 897 60215
7006	Transistor, NPN, BF570	9338 144 20215
7007	Transistor, PNP, BC857B.	9335 897 60215
7008	Transistor, NPN, BC847B.	9335 895 90215
7009	Transistor, PNP, BC857B.	9335 897 60215
7010	Transistor, NPN, BC847B.	9335 895 90215
7011	Transistor, NPN, BC847B.	9335 895 90215
7012	Transistor, PNP, BF550	9334 509 00215
7015	Transistor, NPN, BC847B.	9335 895 90215
7016	Transistor, PNP, BC857B.	9335 897 60215
7017	Transistor, NPN, BC847B.	9335 895 90215
7019	IC, LM809M3X	9322 163 48668
7020	Transistor, NPN, BC847B.	9335 895 90215
7021	IC, LD1117DT33	9322 134 45668
7022	IC, LD1117DT25	9322 160 50668
7023	IC, UPD64083GF	9322 170 65671

Side A/V Panel

	Side A/V Panel	
CBA	Side A/V Panel	3139 137 29041
0240	11 Pin Board Connector	2422 025 12485
1254	Headphone Jack	2422 026 04747
1255	3 Pin Cinch Jack	2422 026 04815
1256	SVHS Jack.	2422 026 04926
2286	Cap, 150p, 10%, 50v, Ceramic	3198 019 11510
2288	Cap, 150p, 10%, 50v, Ceramic	3198 019 11510
2292	Cap, 470p, 10%, 50v, Ceramic	3198 019 14710
2294	Cap, 470p, 10%, 50v, Ceramic	3198 019 14710
2296	Cap, 4n7, +80/-20%, 50v, Ceramic	3198 019 24720
2297	Cap, 4n7, +80/-20%, 50v, Ceramic	3198 019 24720
3285	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
3286	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 011 01090
3287	Res, 75 ohm, 5%, 1/6W, Carbon Film	3198 011 07590
3288	Res, 10 ohm, 5%, 1/6W, Carbon Film	3198 011 01090
3289	Res, 1K8, 5%, 1/6W, Carbon Film.	3198 011 01820
3291	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3292	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
3293	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3294	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
3295	Res, 3K9, 5%, 1/6W, Carbon Film.	3198 011 03920
3296	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
3297	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
4241	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4243	Res, Zero ohm, "Chip" Jumper	3198 021 90020
6291	Zener Diode, 12 volt	3198 020 51290
6292	Zener Diode, 12 volt	3198 020 51290
6293	Zener Diode, 12 volt	3198 020 51290
6294	Zener Diode, 12 volt	3198 020 51290
6296	Zener Diode, 12 volt	3198 020 51290
6297	Zener Diode, 12 volt	3198 020 51290
9231	Wire Jumper.	3198 036 90010
9232	Wire Jumper.	3198 036 90010

Top Control Panel

Top Control Panel

Top Control Panel

	Top Control Panel	
CBA	Top Control Panel.	3139 137 25671
0158	CBLE HR-BK 3P/1340/3P HR-BK.	3139 131 01711
0215	3 Pin Board Connector.	2422 025 09191
1091	Switch	2422 128 02742
1092	Switch	2422 128 02742
1093	Switch	2422 128 02742
1094	Switch	2422 128 02742
2010	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
3091	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3092	Res, 390 ohm, 5%, 1/16W, Metalized Glas	3198 021 33910
3093	Res, 560 ohm, 5%, 1/16W, Metalized Glas	3198 021 35610
3094	Res, 270 ohm, 5%, 1/16W, Metalized Glas	3198 021 32710
3095	Res, 3K3, 5%, 1/16W, Metalized Glass	3198 021 33320
3096	Res, 1K5, 5%, 1/16W, Metalized Glass	3198 021 31520
4089	Res, Zero ohm, "Chip" Jumper	3198 021 90030
4090	Res, Zero ohm, "Chip" Jumper	3198 021 90030
6091	Diode, BAT254.	9340 393 00115

DC Shift Panel

	DC Shift Panel	
CBA	DC Shift Panel	3104 328 12141
0317	2 Pin Board Connector.	4822 265 20723
0318	2 Pin Board Connector.	4822 265 20723
S 1430	Fuse, 400MA, 65V	2422 086 10581
2430	Cap, 470p, 10%, 500V, Ceramic.	4822 122 31177
2431	Cap, 470p, 10%, 500V, Ceramic.	4822 122 31177
5430	DC Shift Coil.	3128 138 38911
6432	Diode, Rect, BYD33V.	9340 317 00133
6433	Diode, Rect, BYD33V.	9340 317 00133

DAF Panel

	DAF Panel	
CBA	DAF Panel.	3104 328 21222
1417	2 Pin Board Connector.	2422 025 16269
1418	2 Pin Board Connector.	2422 025 16374
1419	2 Pin Board Connector.	2422 025 16269
1492	3 Pin Board Connector.	2422 025 16382
1497	Contact Pin.	2422 015 18552
1693	Contact Pin.	2422 034 20021
2800	Cap, 330p, 5%, 2000v, Polypropylene.	2222 375 90495
2809	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
2812	Cap, 10n, 5%, 2000v, Polypropylene	2222 375 90175
2813	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
2814	Cap, 1n, 5%, 2000v, Polypropylene.	2222 375 90225
2818	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
2820	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
2821	Cap, 68n, 5%, 400v, Metalized Polypropylene	2222 479 90166
2822	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
2823	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
2824	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
2825	Cap, 1u, 10%, 50v, Polyester	3198 014 01050
2890	Cap, 470p, 5%, 2000v, Polypropylene.	2222 375 90498
2892	Cap, 4u7, 20%, 50v, Electrolytic	3198 025 54780
S 3807	Res, 15 ohm, 5%, 1/3W, Metal Film.	2306 204 03159
S 3808	Res, 15 ohm, 5%, 1/3W, Metal Film.	2306 204 03159
S 3809	Res, 10 ohm, 5%, 1/3W, Metal Film.	2306 204 03109
3810	Res, 470K, 5%, 1/2W, Metalized Glass	2322 242 13474
3811	Res, 4M7, 5%, 1/4W, Metalized Glass.	2322 241 53475
3812	Res, 27K, 5%, 1/6W, Carbon Film.	3198 011 02730
3813	Res, 470K, 5%, 1/6W, Carbon Film	3198 011 04740
3814	Res, 100K, 5%, 1/4W, Metalized Glass	2322 241 53104
3815	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
3816	Res, 4K7, 5%, 1/6W, Carbon Film.	3198 011 04720
3818	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3819	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3820	Res, 3K3, 5%, 1/10W, Metalized Glass	3198 021 53320
3821	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
3822	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
3823	Res, 1K8, 5%, 1/10W, Metalized Glass	3198 021 51820

36PT842H37D (continued)

S	Ref	Description	Part Number
	3824	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3826	Res, 12K, 5%, 1/10W, Metalized Glass	3198 021 51230
	3827	Res, 5K6, 5%, 1/10W, Metalized Glass	3198 021 55620
	3830	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3831	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
	3832	Res, 1K8, 5%, 1/10W, Metalized Glass	3198 021 51820
	3833	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
S	3898	VDR, 1100V	2322 592 14217
S	3899	VDR, 1100V	2322 592 14217
	3998	Res, 120 ohm, 5%, 1/6W, Carbon Film.	3198 011 01210
S	5800	Transformer, DAF, S21975-03.	2422 531 02437
	5801	Transformer, Self Correction	3128 138 38881
	5810	Bridge Coil.	3128 138 40042
	6810	Diode, Rect, BYD33V	9340 317 00133
	6812	Zener Diode, 22 volt	3198 010 22290
	7810	Power FET, STP3NB80FP.	9322 136 03687
	7818	Transistor, NPN, BC847B(COL)	3198 010 42030
	7820	Transistor, NPN, BC847B(COL)	3198 010 42030
	7821	Transistor, PNP, BC857B(COL)	3198 010 42150
	7822	Transistor, NPN, BC847B(COL)	3198 010 42030
	7823	Transistor, PNP, BC857B(COL)	3198 010 42150
	9805	Wire Jumper.	3198 036 90010

Mains/Front Interface Panel

S	Ref	Description	Part Number
		Mains/Front Interface Panel	
	CBA	Mains/Front Interface Panel.	3139 187 11471
	0214	5 Pin Board Connector.	2422 025 06353
	1000	Switch	2422 128 02742
	1002	IR Receiver, TSOP1836UH.	9322 127 54667
S	1008	LED, LTL-10234WHCR	9322 185 69682
	2001	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2002	Cap, 10n, +80/-20%, 50v, Ceramic	3198 019 21030
	3001	Res, 470 ohm, 5%, 1/6W, Carbon Film.	3198 011 04710
	3003	Res, 1K8, 5%, 1/6W, Carbon Film.	3198 011 01820
	3004	Res, 220 ohm, 5%, 1/6W, Carbon Film.	3198 011 02210

2 Tuner PIP Panel

S	Ref	Description	Part Number
		2 Tuner PIP Panel	
	CBA	2 Tuner PIP Panel.	3139 187 28511
	0200	5 Pin Board Connector.	2422 025 12481
	0201	10 Pin Board Connector	2422 025 12484
	0205	10 Pin Board Connector	2422 025 16587
	0236	3 Pin Board Connector.	2422 025 16382
	0272	3 Pin Board Connector.	2422 025 16382
	1802	Crystal, 14.31818MHz	2422 543 00904
	1900	Tuner.	2422 542 90077
	1901	SAW Filter, 45.75MHz	2422 549 43074
	1902	Crystal, 4.5MHz.	2422 549 40807
	2801	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2803	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2804	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2805	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2806	Cap, 220u, 20%, 10v, Electrolytic.	3198 025 12210
	2807	Cap, 47p, 5%, 50v, Ceramic	3198 016 04790
	2808	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2809	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2810	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2811	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2812	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2813	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2814	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2815	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2816	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2819	Cap, 12p, 5%, 50v, Ceramic	3198 016 01290
	2820	Cap, 220n, +80/-20%, 25v, Ceramic.	3198 023 22240
	2821	Cap, 220n, +80/-20%, 25v, Ceramic.	3198 023 22240
	2822	Cap, 33n, 10%, 50v, Ceramic.	3198 017 03330
	2823	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2824	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2825	Cap, 470n, +80/-20%, 16v, Ceramic.	3198 017 24740
	2826	Cap, 560p, 5%, 50v, Ceramic.	3198 016 05610
	2827	Cap, 470n, +80/-20%, 16v, Ceramic.	3198 017 24740
	2828	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2829	Cap, 1u, +80/-20%, 16v, Ceramic.	3198 017 21050
	2830	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2831	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2832	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2833	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2836	Cap, 470n, +80/-20%, 16v, Ceramic.	3198 017 24740
	2837	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2840	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2841	Cap, 470n, +80/-20%, 16v, Ceramic.	3198 017 24740
	2842	Cap, 220u, 20%, 25v, Electrolytic.	3198 025 32210
	2890	Cap, 220u, 20%, 25v, Electrolytic.	3198 025 32210
	2891	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2892	Cap, 47u, 20%, 25v, Electrolytic	3198 025 34790
	2893	Cap, 220u, 20%, 25v, Electrolytic.	3198 025 32210
	2894	Cap, 10n, 10%, 50v, Ceramic.	3198 017 01030
	2895	Cap, 47p, 5%, 50v, Ceramic	3198 019 04790
	2897	Cap, 220u, 20%, 25v, Electrolytic.	3198 025 32210
	2898	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2911	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2915	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2916	Cap, 1n, 10%, 50v, Ceramic	3198 017 01020
	2917	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2920	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	2921	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2923	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2924	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2925	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2926	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2927	Cap, 470n, 20%, 50v, Electrolytic.	3198 025 54770
	2928	Cap, 22n, 10%, 50v, Ceramic.	3198 017 02230
	2929	Cap, 47n, 10%, 25v, Ceramic.	3198 023 04730
	2930	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2931	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2932	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2933	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2934	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2935	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2936	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	2937	Cap, 1u, +80/-20%, 16v, Ceramic.	3198 017 21050
	2952	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2953	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2954	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2955	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2956	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2957	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2958	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2959	Cap, 100n, 10%, 50v, Polyester	3198 014 01040
	2960	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2961	Cap, 10u, 20%, 50v, Electrolytic	3198 025 51090
	2962	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	3806	Res, 1K5, 5%, 1/10W, Metalized Glass	3198 021 51520
	3807	Res, 1K2, 5%, 1/10W, Metalized Glass	3198 021 51220
	3812	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3813	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
	3814	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3815	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3816	Res, 820 ohm, 5%, 1/10W, Metalized Glas	3198 021 58210
	3817	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3818	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
	3819	Res, 10K, 5%, 1/10W, Metalized Glass	3198 021 51030
	3820	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3821	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 021 53910
	3822	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 021 53910
	3823	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 021 53910
	3824	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
	3827	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3828	Res, 4M7, 5%, 1/10W, Metalized Glass	3198 021 54750
	3829	Res, 15K, 5%, 1/10W, Metalized Glass	3198 021 51530
	3830	Res, 2K2, 5%, 1/10W, Metalized Glass	3198 021 52220
	3831	Res, 1M, 5%, 1/10W, Metalized Glass.	3198 021 51050
	3832	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3833	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3834	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3836	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3839	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3840	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3844	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3845	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3849	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3850	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3853	Res, 3K3, 5%, 1/10W, Metalized Glass	3198 021 53320
	3857	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3858	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3860	Res, 47K, 5%, 1/10W, Metalized Glass	3198 021 54730
	3864	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3866	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3870	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3871	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3872	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3890	Res, 68 ohm, 5%, 1/6W, Carbon Film	3198 011 06890
	3914	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3915	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3916	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3917	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3918	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3919	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3920	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3921	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3922	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	3933	Res, 3K3, 5%, 1/10W, Metalized Glass	3198 021 53320
	3934	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3936	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3937	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3938	Res, 2R2, 5%, 1/6W, Carbon Film.	3198 011 02280
	3939	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3942	Trim Pot, 47K.	2120 363 90166
	3943	Res, 5K6, 5%, 1/10W, Metalized Glass	3198 021 55620
	3944	Trim Pot, 47K.	2120 363 90166
	3945	Res, 220 ohm, 5%, 1/10W, Metalized Glas	3198 021 52210
	3948	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
	3949	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310

S = Safety Part   Be sure to use exact replacement part.

36PT842H37D (continued)

3950	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
3951	Res, 22K, 5%, 1/10W, Metalized Glass	3198 021 52230
3952	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3953	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
3955	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 021 53910
3956	Res, Zero ohm, "Chip" Jumper	3198 021 90020
3957	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
3958	Res, 120 ohm, 5%, 1/10W, Metalized Glas	3198 021 51210
3960	Res, Zero ohm, "Chip" Jumper	3198 021 90020
3961	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
3964	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
3965	Res, 560 ohm, 5%, 1/10W, Metalized Glas	3198 021 55610
3969	Res, 330 ohm, 5%, 1/10W, Metalized Glas	3198 021 53310
3970	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 021 53910
3971	Res, 2K2, 5%, 1/10W, Metalized Glass	3198 021 52220
3972	Res, 4K7, 5%, 1/10W, Metalized Glass	3198 021 54720
4803	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4804	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4805	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4808	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4809	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4810	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4812	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4813	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4814	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4815	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4817	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4818	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4819	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4821	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4901	Res, Zero ohm, "Chip" Jumper	3198 021 90020
4910	Res, Zero ohm, "Chip" Jumper	3198 021 90020
5890	Coil, 10u.	3198 018 21090
5891	Coil, 10u.	3198 018 21090
5892	Coil, 10u.	3198 018 21090
5893	Coil, 10u.	3198 018 21090
5894	Coil, 10u.	3198 018 21090
5895	Coil, 10u.	3198 018 21090
5901	Coil, 91.5MHz.	3139 128 23341
5902	Coil, 4u7.	3198 018 24780
5903	Coil, 820n	3198 018 38270
5905	Coil, 4u7.	3198 018 14780
5906	Coil, 5u6.	3198 018 15680
5907	Coil, 4u7.	3198 018 14780
5908	Coil, 4u7.	3198 018 14780
5909	Coil, 4u7.	3198 018 14780
5910	Coil, 4u7.	3198 018 14780
6801	Diode, BAT84	9336 247 60133
6890	Zener Diode, 3.9 volt.	3198 020 53980
7803	IC, M65669SP	9322 146 60682
7804	Transistor, NPN, BC847B(COL)	3198 010 42030
7805	Transistor, NPN, BC847B(COL)	3198 010 42030
7806	Transistor, NPN, BC847B(COL)	3198 010 42030
7807	Transistor, NPN, BC847B(COL)	3198 010 42030
7810	Transistor, NPN, BC847B(COL)	3198 010 42030
7813	Transistor, NPN, BC847B(COL)	3198 010 42030
7816	Transistor, NPN, BC847B(COL)	3198 010 42030
7817	Transistor, NPN, BC847B(COL)	3198 010 42030
7891	Transistor, NPN, BC337-25(COL)	3198 020 43530
7910	IC, TEA6425.	9322 051 89682
7914	IC, TDA9801/V1	9352 606 44112
7915	Transistor, NPN, BC847B(COL)	3198 010 42030
7917	Transistor, NPN, BC847B(COL)	3198 010 42030
7918	Transistor, NPN, BC847B(COL)	3198 010 42030
7919	IC, TDA8601T/C1.	9351 538 90518
7920	Transistor, NPN, BC847B(COL)	3198 010 42030
9800	Wire Jumper.	3198 036 90010
9802	Wire Jumper.	3198 036 90010
9803	Wire Jumper.	3198 036 90010
9804	Wire Jumper.	3198 036 90010
9805	Wire Jumper.	3198 036 90010
9808	Wire Jumper.	3198 036 90010
9810	Wire Jumper.	3198 036 90010
9811	Wire Jumper.	3198 036 90010
9812	Wire Jumper.	3198 036 90010
9813	Wire Jumper.	3198 036 90010
9814	Wire Jumper.	3198 036 90010
9815	Wire Jumper.	3198 036 90010
9816	Wire Jumper.	3198 036 90010
9817	Wire Jumper.	3198 036 90010
9818	Wire Jumper.	3198 036 90010
9823	Wire Jumper.	3198 036 90010
9824	Wire Jumper.	3198 036 90010
9902	Wire Jumper.	3198 036 90010
9908	Wire Jumper.	3198 036 90010
9915	Wire Jumper.	3198 036 90010
9923	Wire Jumper.	3198 036 90010

High Definition Jack Panel

High Definition Jack Panel

Front I/O Panel

Front I/O Panel

S = Safety Part   Be sure to use exact replacement part.

YPbPr 1FH Interface + Expander

YPbPr 1FH Interface + Expander

	CBA	YPbPr 1FH Interface + Expander	3104 328 25301
	0025	Contact Pin.	2422 034 20021
	0224	5 Pin Board Connector.	2422 025 06353
	2810	Cap, 100u, 20%, 25v, Electrolytic.	3198 025 31010
	2811	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	3819	Res, 3R9, 5%, 1/8W, Metalized Glass.	2322 750 63908
	3830	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3831	Res, 100 ohm, 5%, 1/10W, Metalized Glas	3198 021 51010
	3899	Res, 1K, 5%, 1/10W, Metalized Glass.	3198 021 51020
	4800	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	7806	IC, M62320FP	9322 127 15668

Cabinet Parts

Cabinet Parts

	AC01	Nameplate.	3141 050 00141
	AC02	Anode Lead Clip.	3135 014 04471
	AC04	Degaussing Coil Bracket (4 used)	3139 124 32812
S	AC05	Degaussing Coil.	2422 549 45082
	AC06	Light Guide.	3139 124 39701
	AC07	Power Button	3139 138 10881
	AC08	Top Control Button	3139 124 39812
	AC09	Top Control Bracket.	3139 124 39802
	AC10	Front Interface Bracket.	3139 124 32891
	AC11	Chassis Frame.	3104 304 22832
	AC13	DAF DC Shift Bracket	3104 304 23951
	AC14	Connector, Support Bracket	3104 304 21603
	AC16	3D Comb Filter Bracket	3104 304 22432
	AC17	LOT-SSB Support.	3104 304 21114
	AC18	LOT Spacer	3104 304 22031
	AC19	Side A/V Bracket	3139 124 32802
	AC20	SSB Shielding, Bottom.	3104 301 23963
	AC21	SSB Shielding, Top	3104 301 24111
	AC22	SSB Shielding, Frame	3104 301 24124
	AC24	Cabinet Back	3139 124 45511
	AC25	Speaker, 10W, 8 ohm (2 Used)	3139 128 76081
S	AC26	CRT, A90AJZ90X33	9322 182 02682
	AC27	Cabinet Front.	3139 138 10951
	AC29	Insulator Plate.	3104 304 90361
	AC30	SSB Snap	3104 304 24111
	AC32	Owner's Manual (French).	3121 235 21071
	AC32	Owner's Manual (Spanish)	3121 235 21081
	AC32	Owner's Manual (English)	3121 235 20901
S	AC33	AC Power Cord.	3135 010 03831
	AC34	Batteries for Remote Control Transmitte	9299 000 10137
	AC35	Quick Use Guide (English).	3121 233 44041
	AC35	Quick Use Guide (Spanish).	3121 233 44421
	AC35	Quick Use Guide (French)	3121 233 44411
	AC36	Cabinet Back Screw Cover (4 Used).	3139 124 39221
	AC38	Cabinet Front Assembly (Shown Exploded)	3121 237 53231
	AC39	Torx Driver - T10 7" length	4935 395 17249
	AC40	Torx Driver - T10 10" length.	4835 395 97018
	REMOTE	Remote Control Transmitter, RC2017/01.	3128 147 13331

CRT Panel

CRT Panel

	CBA	CRT Panel.	3139 187 21041
	0224	7 Pin Board Connector.	2422 025 11244
S	0235	Ground Clip.	3104 301 08281
	0236	Contact Pin.	2422 015 18552
S	0298	10 Pin CRT Socket.	2422 500 80063
	0340	11 Pin Board Connector	2422 025 12485
	0383	3 Pin Board Connector.	2412 020 00725
	2103	Cap, 330p, 5%, 50v, Ceramic.	3198 016 33310
	2104	Cap, 330p, 5%, 50v, Ceramic.	3198 016 33310
	2105	Cap, 330p, 5%, 50v, Ceramic.	3198 016 33310
	2118	Cap, 220n, 10%, 50v, Polyester	3198 014 02240
	2300	Cap, 22u, 20%, 100v, Electrolytic.	3198 025 72290
	2301	Cap, 220u, 20%, 16v, Electrolytic.	3198 025 22210
	2302	Cap, 10p, 5%, 50v, Ceramic	3198 016 01090
	2303	Cap, 470p, 5%, 50v, Ceramic.	3198 016 34710
	2304	Cap, 22n, 10%, 100v, Metalized Polyeste	2222 365 85223
	2306	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2307	Cap, 22n, 10%, 50v, Ceramic.	3198 017 02230
	2308	Cap, 15p, 5%, 50v, Ceramic	3198 016 01590
	2309	Cap, 22n, 10%, 50v, Ceramic.	3198 017 02230
	2310	Cap, 18p, 5%, 50v, Ceramic	3198 016 01890
	2312	Cap, 22p, 5%, 50v, Ceramic	3198 016 02290
	2313	Cap, 100u, 20%, 250v, Electrolytic	2022 031 00211
	2315	Cap, 330p, 5%, 50v, Ceramic.	3198 016 03310
	2316	Cap, 100n, 10%, 250v, Metalized Polyester.	2020 308 90143
	2317	Cap, 1n2, 5%, 2000v, Polypropylene	2222 375 90226
	2318	Cap, 22n, +80/-20%, 50v, Ceramic	3198 017 22230
	2319	Cap, 10n, +80/-20%, 50v, Ceramic	3198 019 21030
	2325	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040
	2337	Cap, 100p, 5%, 50v, Ceramic.	3198 016 31010
	2409	Cap, 470n, +80/-20%, 10v, Ceramic.	3198 017 44740
	2410	Cap, 470n, +80/-20%, 10v, Ceramic.	3198 017 44740
	2411	Cap, 100n, 10%, 16v, Ceramic	3198 017 01040

36PT842H37D (continued)

	2412	Cap, 330p, 5%, 50v, Ceramic.	3198 016 33310
	2420	Cap, 470n, +80/-20%, 10v, Ceramic. . .	3198 017 44740
	3106	Res, 1K8, 1%, 1/16W, Metalized Glass .	2322 704 61802
	3107	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3109	Res, 1K8, 1%, 1/16W, Metalized Glass .	2322 704 61802
	3110	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3111	Trim Pot, 470 ohm, 25%	2120 358 90538
	3113	Res, 1K8, 1%, 1/16W, Metalized Glass .	2322 704 61802
	3114	Res, 1K2, 1%, 3/5W, Metal Film	2312 915 11202
	3115	Trim Pot, 470 ohm, 25%	2120 358 90538
	3116	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3117	Res, 2K7, 1%, 1/16W, Metalized Glass .	2322 704 62702
	3118	Res, 2K2, 1%, 1/16W, Metalized Glass .	2322 704 62202
	3119	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322 704 61801
	3120	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322 704 61801
	3121	Res, 180 ohm, 1%, 1/16W, Metalized Glas	2322 704 61801
	3122	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3123	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3124	Res, 220 ohm, 1%, 1/16W, Metalized Glas	2322 704 62201
	3125	Trim Pot, 470 ohm, 25%	2120 358 90538
S	3300	Res, 5R6, 5%, 1/3W, Metal Film	2306 204 03568
	3301	Res, 10K, 5%, 2 1/2W, Metal Film . . .	2322 195 63103
	3303	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3304	Res, 820 ohm, 5%, 1/10W, Metalized Glas	3198 021 58210
	3307	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3308	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3309	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3310	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3311	Res, 47 ohm, 5%, 1/10W, Metalized Glass	3198 021 54790
	3312	Res, 2K2, 5%, 1/10W, Metalized Glass .	3198 021 52220
	3315	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3316	Res, 56K, 5%, 1/10W, Metalized Glass .	3198 021 55630
	3317	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3318	Res, 15 ohm, 5%, 1/10W, Metalized Glass	3198 021 51590
	3319	Res, 820 ohm, 5%, 1/10W, Metalized Glas	3198 021 58210
	3320	Res, 10K, 5%, 1/10W, Metalized Glass .	3198 021 51030
	3322	Res, 150 ohm, 5%, 1/10W, Metalized Glas	3198 021 51510
	3334	Res, 1K, 5%, 1/6W, Carbon Film	3198 011 01020
	3338	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
	3339	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
	3340	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
S	3341	Res, 100 ohm, 5%, 1/3W, Metal Film . .	2306 204 03101
	3342	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	3343	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
	3345	Res, 33 ohm, 5%, 1/6W, Carbon Film . .	3198 011 03390
	3347	Res, 1K5, 20%, 1/2W, Carbon Film . . .	3198 013 01520
	3348	Res, 2K2, 1%, 3/5W, Metal Film	2312 915 12202
	3349	Res, 1K, 20%, 1/2W, Carbon Film. . . .	3198 013 01020
	3350	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3351	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3352	Res, 470 ohm, 5%, 1/6W, Carbon Film. .	3198 011 04710
	3353	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
	3355	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3356	Res, 1K, 5%, 1/10W, Metalized Glass. .	3198 021 51020
	3357	Res, 10 ohm, 5%, 1/10W, Metalized Glass	3198 021 51090
	3358	Res, 390 ohm, 5%, 1/10W, Metalized Glas	3198 021 53910
	3359	Res, 220 ohm, 5%, 1/16W, Metalized Glas	3198 021 32210
	3366	Voltage Dependent Resistor	2322 593 13507
	3375	Res, 100K, 1%, 3/5W, Metal Film. . . .	2312 915 11004
	3376	Res, 100K, 1%, 3/5W, Metal Film. . . .	2312 915 11004
	3377	Res, 100K, 1%, 3/5W, Metal Film. . . .	2312 915 11004
	3378	Res, 4R7, 5%, 1/16W, Metalized Glass .	3198 021 34780
	3379	Res, 4R7, 5%, 1/6W, Carbon Film. . . .	3198 011 04780
	3398	Res, 10K, 5%, 1/6W, Carbon Film. . . .	3198 011 01030
	3405	Res, 39 ohm, 5%, 1/4W, Carbon Film . .	2120 101 74399
	3410	Res, 100K, 5%, 1/16W, Metalized Glass.	3198 021 31040
	3411	Res, 100K, 5%, 1/6W, Carbon Film . . .	3198 011 01040
S	3412	Res, 15 ohm, 5%, 1/8W, Metalized Glass	2322 750 61509
	3413	Res, 1K, 5%, 1/16W, Metalized Glass. .	3198 021 31020
	3414	Res, 10 ohm, 5%, 1/16W, Metalized Glass	3198 021 31090
	3416	Res, 39 ohm, 5%, 1/4W, Carbon Film . .	2120 101 74399
	4115	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	4301	Res, Zero ohm, "Chip" Jumper	3198 021 90020
	4302	Res, Zero ohm, "Chip" Jumper	3198 021 90030
	6100	Zener Diode, 5.6 volt.	3198 020 55680
	6305	Diode, BAS321.	9340 553 52115
	6306	Diode, BAS321.	9340 553 52115
	6307	Diode, BAS321.	9340 553 52115
	6308	Diode, MCL4148	9322 128 15685
	6309	Diode, MCL4148	9322 128 15685
	7300	Transistor, NPN, BF199	9330 634 20126
	7301	Transistor, NPN, BFS20	9330 921 11215
	7302	Transistor, PNP, 2SA1358	9322 166 55682
	7303	Transistor, NPN, 2SC3421	9322 166 56682
	7304	Transistor, PNP, BF824	9337 223 50215
	7307	IC, TDA6103Q/N3.	9352 079 80112
	7308	Transistor, NPN, BFS20	9330 921 11215
	9301	Wire Jumper.	3198 036 90010
	9302	Wire Jumper.	3198 036 90010
	9305	Wire Jumper.	3198 036 90010
	9307	Wire Jumper.	3198 036 90010
	9308	Wire Jumper.	3198 036 90010
	9309	Wire Jumper.	3198 036 90010
	9310	Wire Jumper.	3198 036 90010
	9311	Wire Jumper.	3198 036 90010
	9313	Wire Jumper.	3198 036 90010
	9314	Wire Jumper.	3198 036 90010
	9316	Wire Jumper.	3198 036 90010
	9317	Wire Jumper.	3198 036 90010
	9318	Wire Jumper.	3198 036 90010
	9321	Wire Jumper.	3198 036 90010
	9322	Wire Jumper.	3198 036 90010
	9323	Wire Jumper.	3198 036 90010
	9324	Wire Jumper.	3198 036 90010
	9325	Wire Jumper.	3198 036 90010
	9326	Wire Jumper.	3198 036 90010
	9330	Wire Jumper.	3198 036 90010
	9333	Wire Jumper.	3198 036 90010
	9336	Wire Jumper.	3198 036 90010
	9337	Wire Jumper.	3198 036 90010
	9350	Wire Jumper.	3198 036 90010
	9401	Wire Jumper.	3198 036 90010

S = Safety Part   Be sure to use exact replacement part.